

List of Supplementary Figures

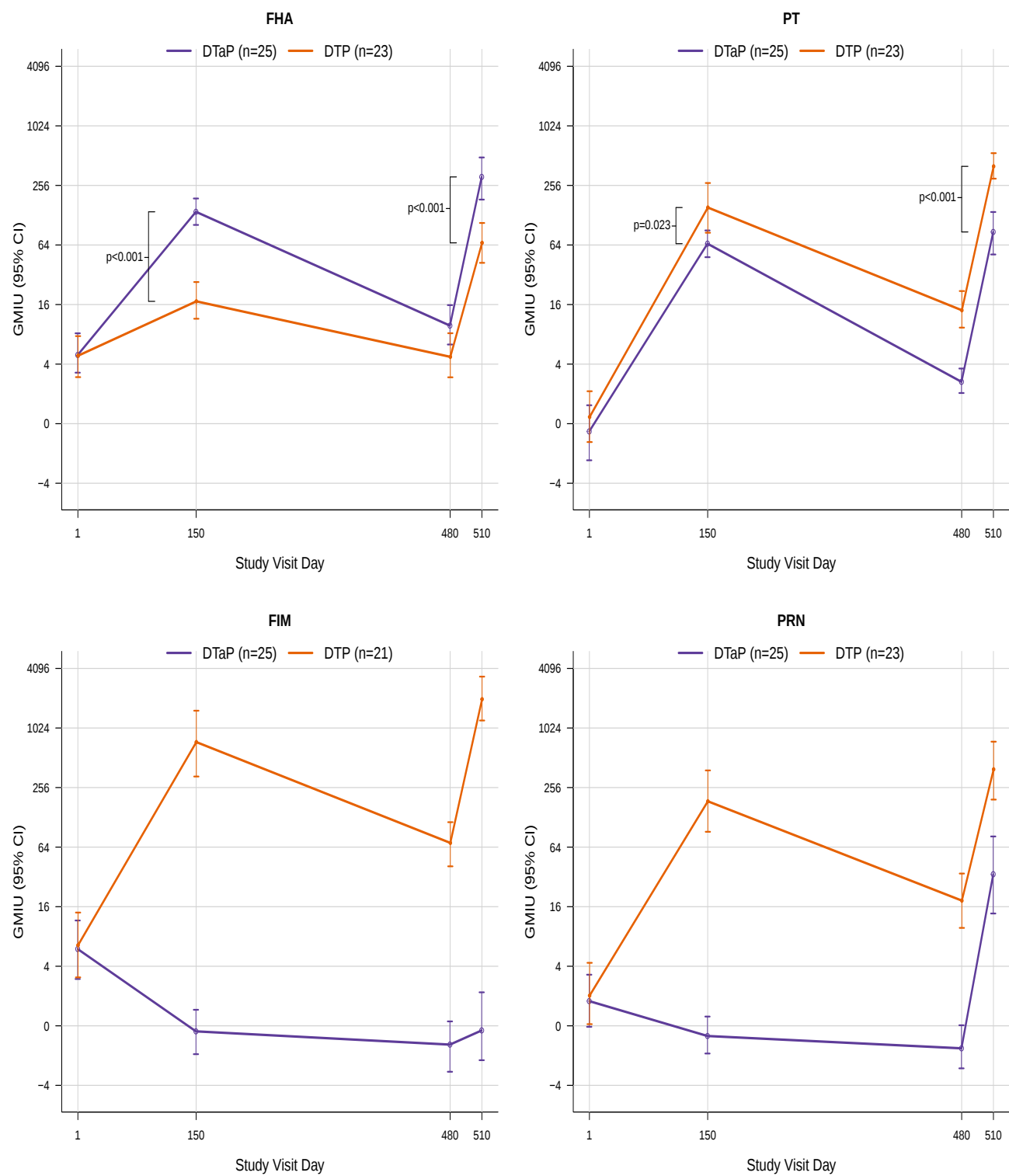
Supplementary Figure 1	Antibody trends over time for PT, FHA, pertactin, and fimbriae summarizing geometric mean of serum ELISA antibody IU/mL measurements.	4
Supplementary Figure 2	Radar plot of median fold change relative to Day 1 in serum cytokine concentrations by treatment group (DTP vs. DTaP) and study day.	5
Supplementary Figure 3	Volcano, MA and scatter plots by treatment group for Day 2 (RNA-Seq and RP).	6
Supplementary Figure 4	Volcano, MA and scatter plots by treatment group for Day 8 (RNA-Seq and RP).	7
Supplementary Figure 5	UpSet plots summarizing overlap in differentially transcribed and translated genes (RNA-Seq and Ribosomal Profiling).	8
Supplementary Figure 6	Differential pathway results based on gene translation between DTP and DTaP for Day 2.	9
Supplementary Figure 7	Boxplots summarizing participant-level gene expression measured via Ribosomal Profiling and participant-level translational efficiency values for genes of interest (HP, IGLV10-54, IL1B, and CCL5).	10
Supplementary Figure 8	Scatterplots summarizing associations between Pertussis Toxin antibody responses measured in International Units (IU)/mL and $\log_2$ gene expression fold changes relative to pre-vaccination measured via RNA-Seq for select predictive genes.	11
Supplementary Figure 9	Boxplots summarizing gene expression for genes whose responses measured via RNA-Seq at Day 2 best predict injection site erythema.	12

List of Supplementary Tables

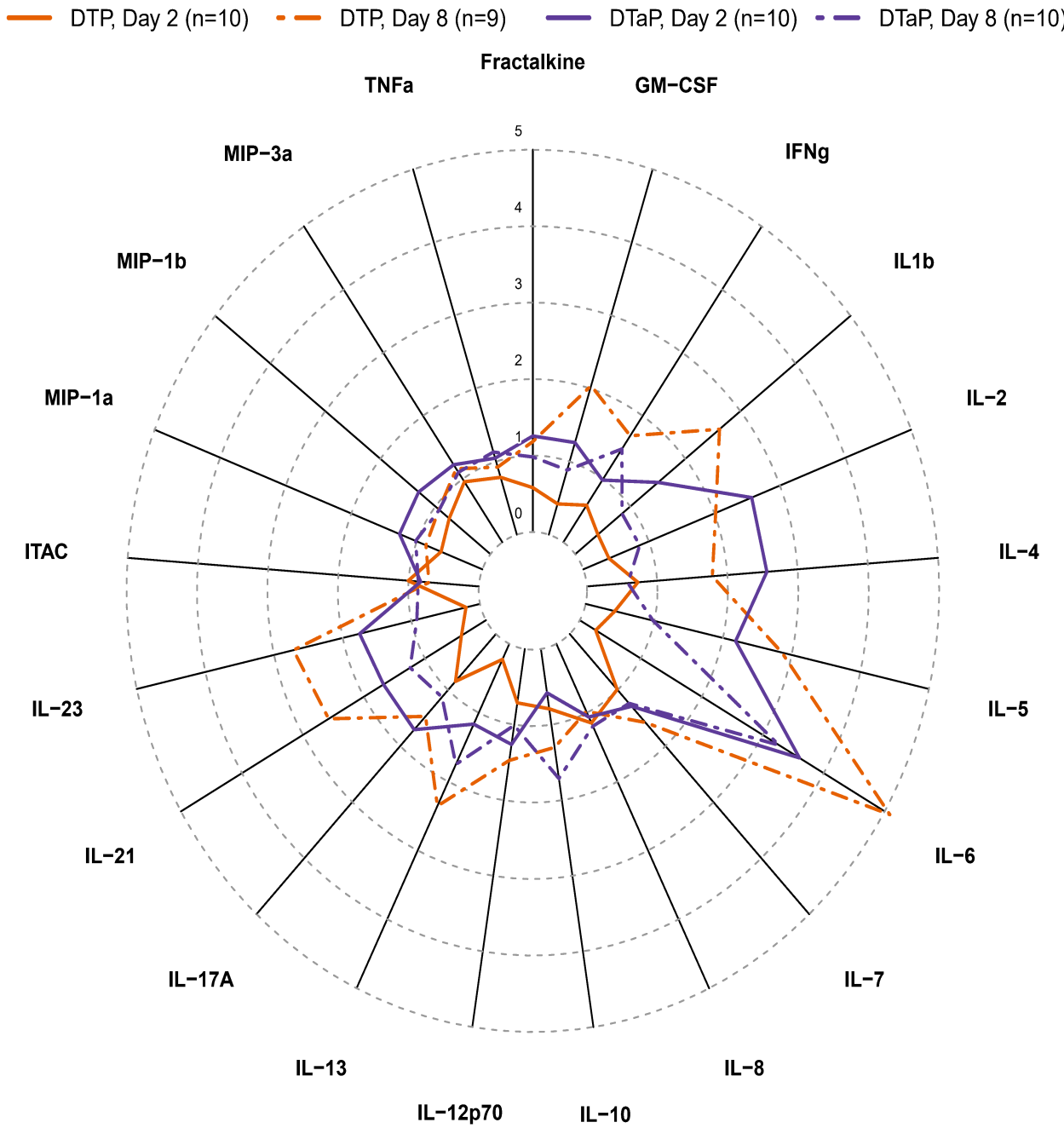
Supplementary Table 1	KEGG Pathways gene sets enriched in differentially translated genes measured at Day 2 via Ribosomal Profiling shared between DTP and DTaP. Results are sorted by absolute difference in Jaccard similarity index between treatment groups.	13
Supplementary Table 2	KEGG Pathways gene sets enriched in differentially translated genes measured at Day 2 via Ribosomal Profiling unique to DTP. Results are sorted by absolute difference in Jaccard similarity index between treatment groups. . . .	13
Supplementary Table 3	KEGG Pathways gene sets enriched in differentially translated genes measured at Day 2 via Ribosomal Profiling unique to DTaP. Results are sorted by absolute difference in Jaccard similarity index between treatment groups. . . .	14
Supplementary Table 4	Overlap in all genes whose responses at treatment arms and post-vaccination days are correlated with FHA and/or PT values at Day 150 and have at least 50% selection among bootstrap fitted model results (RNA-Seq and Ribosomal Profiling). RP: Ribosomal Profiling, +: significantly up-regulated, -: significantly down-regulated, NS: not significantly regulated, LE: the low-expression filtering cut off was not met.	15
Supplementary Table 5	Gene expression data measured via RNA-Seq at Day 2 for DTP for select genes predicting Pertussis Toxin antibody responses measured in International Units (IU)/mL. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).	18
Supplementary Table 6	Gene expression data measured via RNA-Seq at Day 2 for DTaP for select genes predicting Pertussis Toxin antibody responses measured in International Units (IU)/mL. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).	18
Supplementary Table 7	Gene expression data measured via RNA-Seq at Day 8 for DTP for select genes predicting Pertussis Toxin antibody responses measured in International Units (IU)/mL. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).	18
Supplementary Table 8	Frequency of participants experiencing any solicited adverse events (reactogenicity) following dose 1 of DTaP or DTP-containing vaccine.	19
Supplementary Table 9	Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). . . .	19
Supplementary Table 10	Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). . .	146

Supplementary Table 11	Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). .	267
Supplementary Table 12	Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). .	299
Supplementary Table 13	Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). .	366
Supplementary Table 14	Differentially translated genes at Day 8 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). .	405
Supplementary Table 15	Differentially translated genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). .	406

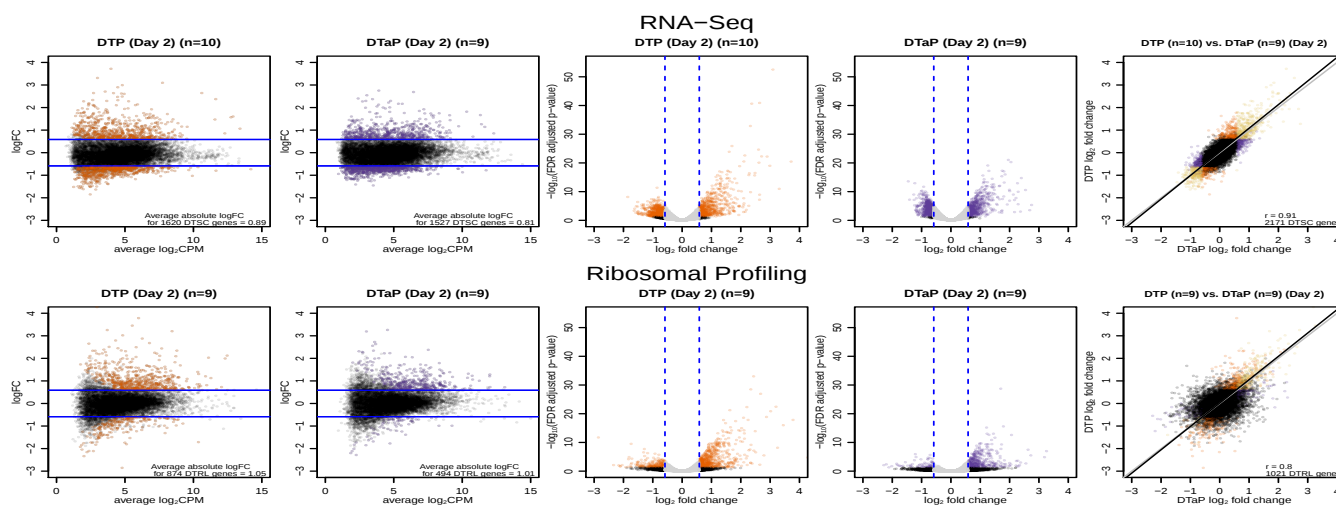
Supplementary Figure 1: Antibody trends over time for PT, FHA, pertactin, and fimbriae summarizing geometric mean of serum ELISA antibody IU/mL measurements. In orange: DTP; in purple: DTaP. FHA: filamentous hemagglutinin; PT: pertussis toxin; FIM: fimbriae 2/3; PRN: pertactin.



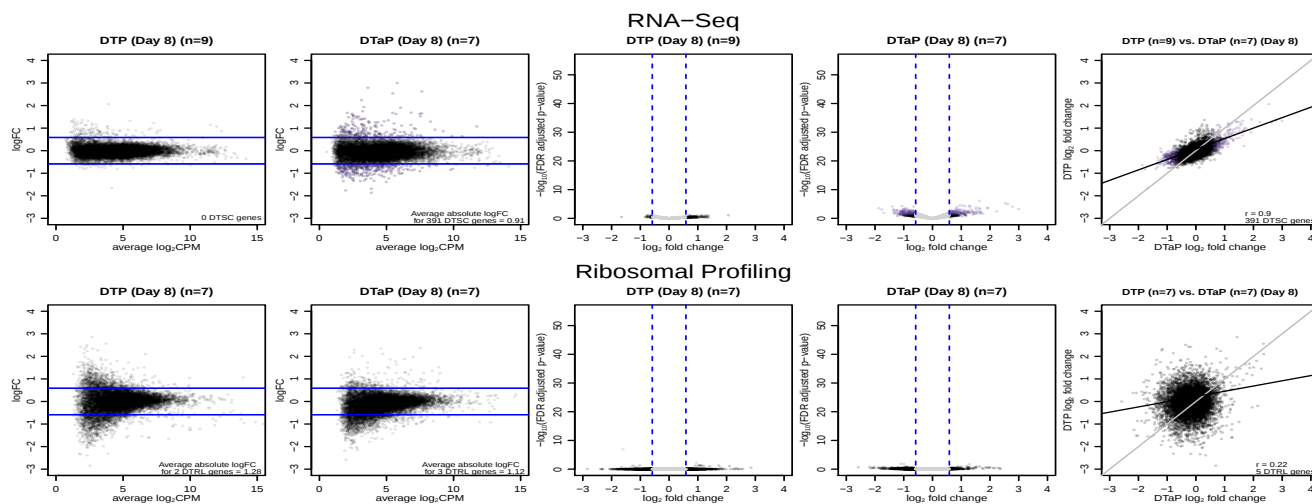
Supplementary Figure 2: Radar plot of median fold change relative to Day 1 in serum cytokine concentrations by treatment group (DTP vs. DTaP) and study day. In orange: DTP; in purple: DTaP; solid lines: Day 2; dashed lines: Day 8.



Supplementary Figure 3: Volcano, MA and scatter plots by treatment group for Day 2 (RNA-Seq and RP). Blue lines indicate the pre-specified minimum fold change cut off. In each scatter plot, linear fit is presented in black for the union of the significant genes for both treatment groups for the day and assay with its associated r value denoting the correlation coefficient and a reference line of $y=x$ is presented in gray. In orange: significant genes for DTP; in purple: significant genes for DTaP; in grey: genes that did not pass the fold change cut offs; in black: genes that passed the fold change cut off but were not significant.

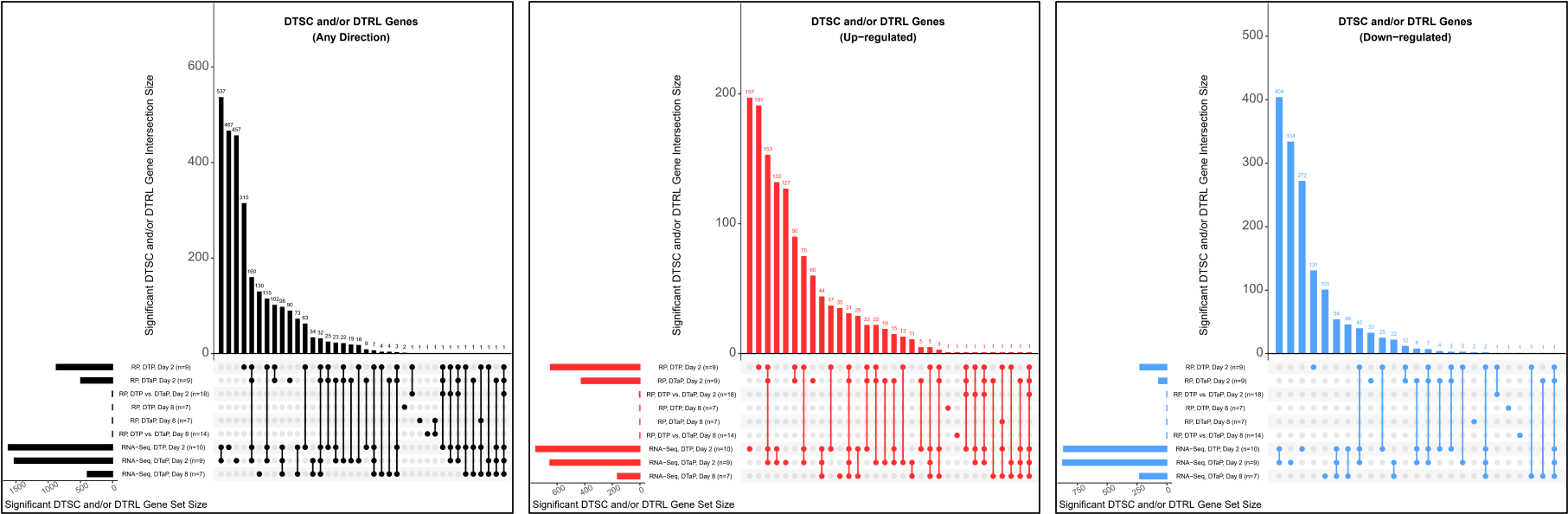


Supplementary Figure 4: Volcano, MA and scatter plots by treatment group for Day 8 (RNA-Seq and RP). Blue lines indicate the pre-specified minimum fold change cut off. In each scatter plot, linear fit is presented in black for the union of the significant genes for both treatment groups for the day and assay with its associated r value denoting the correlation coefficient and a reference line of $y=x$ is presented in gray. In orange: significant genes for DTP; in purple: significant genes for DTaP; in grey: genes that did not pass the fold change cut offs; in black: genes that passed the fold change cut off but were not significant.

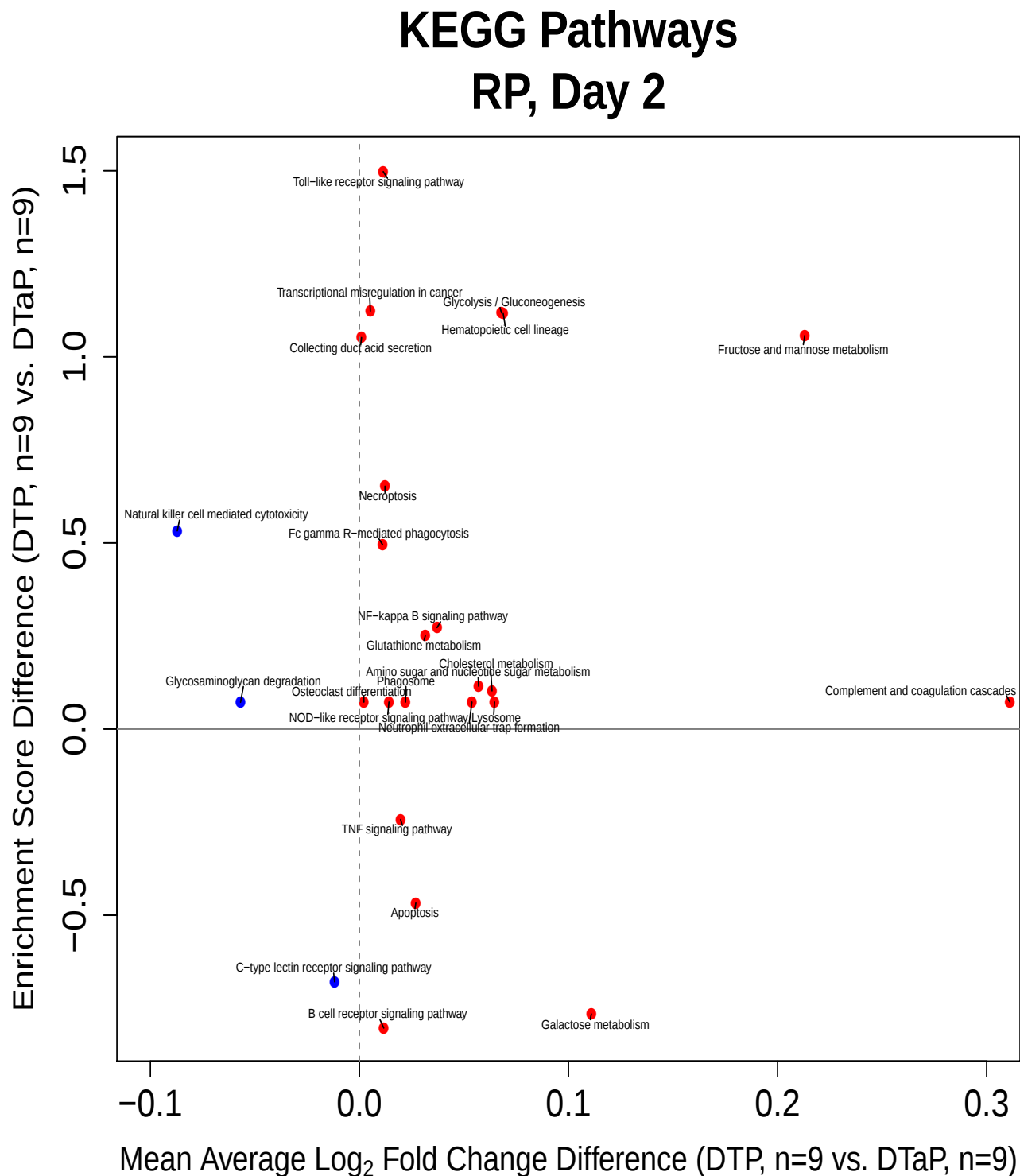


Supplementary Figure 5: UpSet plots summarizing overlap in differentially transcribed and translated genes (RNA-Seq and Ribosomal Profiling). The filled circles in the matrix represent what would be the different Venn diagram spaces (unique and overlapping differentially transcribed or translated genes) and connected filled circles indicate a certain intersection. In red: up-regulated compared to pre-vaccination, in blue: down-regulated compared to pre-vaccination.

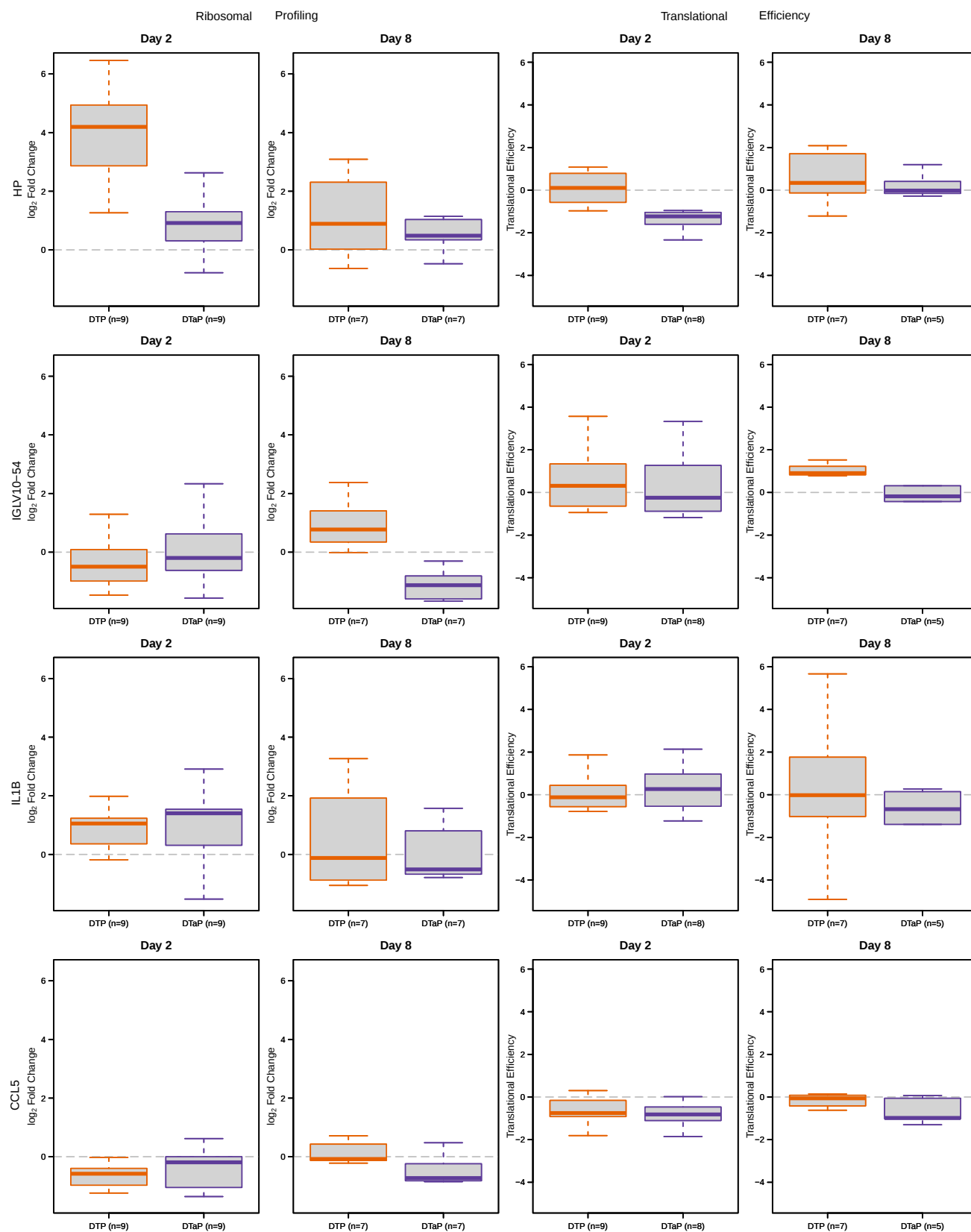
8



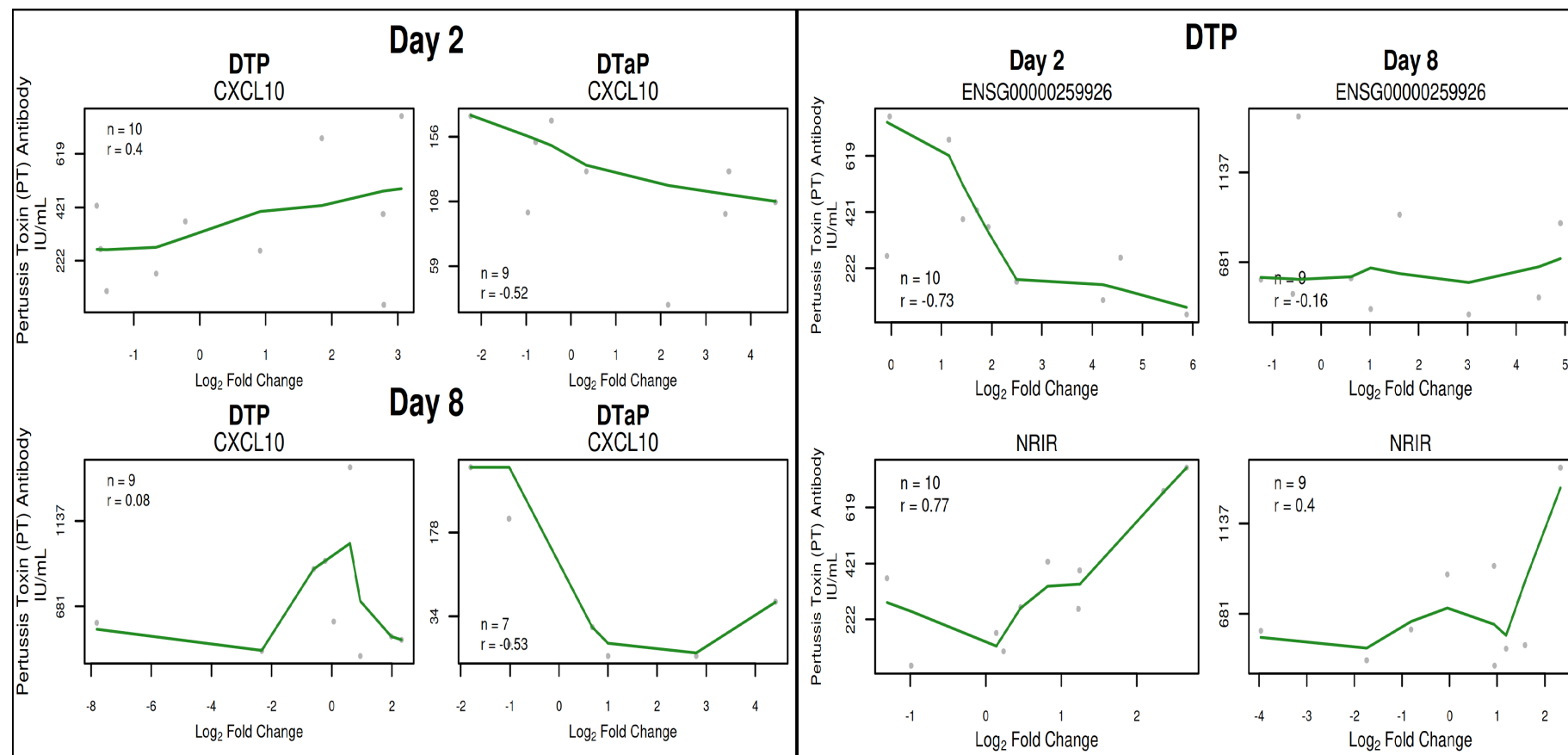
Supplementary Figure 6: The x-axis summarizes the average difference in the $\log_2$ fold changes response across all genes included in the pathway between groups. The y-axis measures the difference in the enrichment score ($-1 \times \log_{10}$ (FDR-adjusted p-value)) between groups. Enrichment score difference and mean average $\log_2$ fold change difference are plotted for the respective pathway labeled next to each point in the plot. RP: Ribosomal Profiling. In red: positive difference, in blue: negative difference. Horizontal solid black line presented at $y=0$ and vertical dashed black line presented at $x=0$ to facilitate review of the plot.



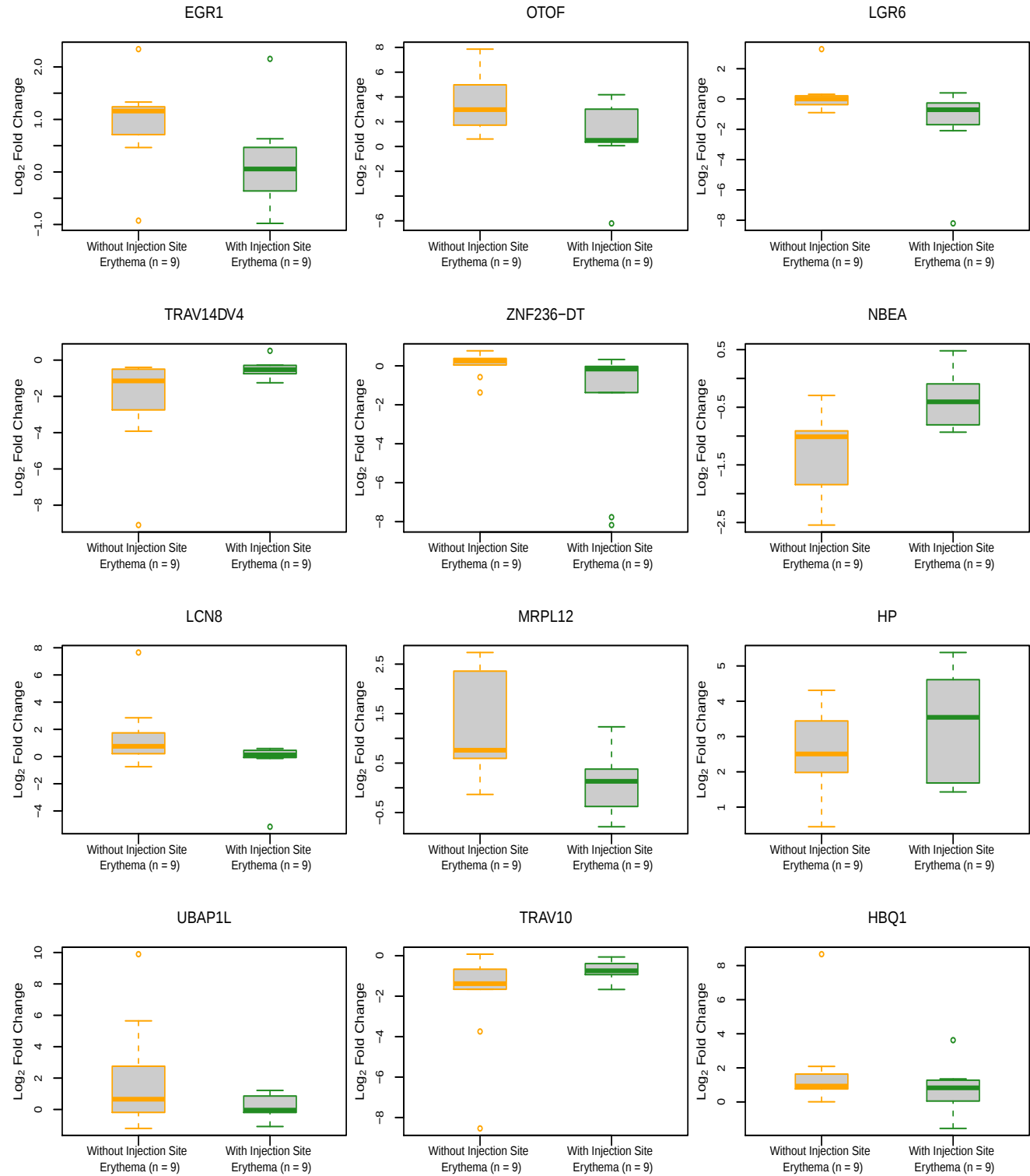
Supplementary Figure 7: Boxplots summarizing participant-level gene expression measured via Ribosomal Profiling and participant-level translational efficiency values for genes of interest (HP, IGLV10-54, IL1B, and CCL5). Genes displayed are those with notable differences in translation between treatment groups. In orange: DTP; in purple: DTaP.



Supplementary Figure 8: Scatterplots summarizing associations between Pertussis Toxin antibody responses measured in International Units (IU)/mL and $\log_2$ gene expression fold changes relative to pre-vaccination measured via RNA-Seq for select predictive genes. Left panel displays comparisons between DTP and DTaP groups at Day 2 and Day 8, and right panel shows comparisons within DTP group between Day 2 and Day 8. Each participant is shown as a separate point in the plot. In green: locally weighted regression fit with its associated r value denoting the correlation coefficient additionally shown.



Supplementary Figure 9: Boxplots summarizing gene expression for genes whose responses measured via RNA-Seq at Day 2 best predict injection site erythema. Plots are sorted by absolute descending regression coefficient. In yellow: without injection site erythema; in green: with injection site erythema.



Supplementary Table 1: KEGG Pathways gene sets enriched in differentially translated genes measured at Day 2 via Ribosomal Profiling shared between DTP and DTaP. Results are sorted by absolute difference in Jaccard similarity index between treatment groups.

Gene Set ID	Up-reg. Down-reg. (DTwP)	DTRL Genes N (%) DTRL Genes N (%)	FDR P-Value (DTwP)	Adjusted (DTwP)	Jaccard (DTwP)	Index	Up-reg. Down-reg. (DTaP)	DTRL Genes N (%) DTRL Genes N (%)	FDR P-Value (DTaP)	Adjusted (DTaP)	Jaccard (DTaP)	Index
Osteoclast differentiation	27 (21.8), 2 (1.6)		0.0003		0.0299		24 (19.4), 1 (0.8)		0.0003		0.0422	
Phagosome	22 (15.2), 2 (1.4)		0.0003		0.0241		21 (14.5), 1 (0.7)		0.0003		0.0357	
Complement and coagulation cascades	18 (22), 0 (0)		0.0003		0.0192		16 (19.5), 0 (0)		0.0003		0.0286	
Tuberculosis	29 (16.8), 1 (0.6)		0.0003		0.0295		24 (13.9), 0 (0)		0.0003		0.0373	
Measles	21 (15.7), 4 (3)		0.0003		0.0254		11 (8.2), 0 (0)		0.0841		0.0178	
Neutrophil extracellular trap formation	21 (12), 5 (2.9)		0.0003		0.0254		20 (11.4), 1 (0.6)		0.0003		0.0324	
Staphylococcus aureus infection	15 (16.5), 5 (5.5)		0.0003		0.0212		15 (16.5), 1 (1.1)		0.0003		0.0281	
B cell receptor signaling pathway	11 (14.3), 0 (0)		0.0776		0.0117		10 (13), 0 (0)		0.0122		0.0178	
Galactose metabolism	6 (20), 0 (0)		0.0712		0.0067		6 (20), 0 (0)		0.0122		0.0116	
TNF signaling pathway	12 (10.9), 2 (1.8)		0.0560		0.0144		10 (9.1), 1 (0.9)		0.0320		0.0185	
Coronavirus disease - COVID-19	25 (11.4), 3 (1.4)		0.0004		0.0263		18 (8.2), 3 (1.4)		0.0003		0.0303	
Lysosome	26 (21), 1 (0.8)		0.0003		0.0278		19 (15.3), 0 (0)		0.0003		0.0317	
Pertussis	15 (20), 0 (0)		0.0004		0.0161		11 (14.7), 0 (0)		0.0011		0.0197	
Lipid and atherosclerosis	28 (13.3), 1 (0.5)		0.0004		0.0275		17 (8.1), 0 (0)		0.0161		0.0247	
NOD-like receptor signaling pathway	28 (15.8), 6 (3.4)		0.0003		0.0334		19 (10.7), 1 (0.6)		0.0003		0.0307	
Malaria	12 (25), 1 (2.1)		0.0003		0.0143		9 (18.8), 0 (0)		0.0011		0.0169	
Cholesterol metabolism	7 (14), 1 (2)		0.0615		0.0087		6 (12), 0 (0)		0.0779		0.0112	
Glycosaminoglycan degradation	5 (27.8), 0 (0)		0.0476		0.0056		4 (22.2), 0 (0)		0.0562		0.0079	
Leishmaniasis	18 (25.4), 0 (0)		0.0003		0.0194		12 (16.9), 0 (0)		0.0003		0.0217	
NF-kappa B signaling pathway	11 (11.6), 2 (2.1)		0.0409		0.0136		8 (8.4), 1 (1.1)		0.0766		0.0155	
Influenza A	26 (16), 1 (0.6)		0.0003		0.0268		16 (9.9), 0 (0)		0.0029		0.0250	
Hepatitis C	18 (11.7), 0 (0)		0.0436		0.0178		12 (7.8), 0 (0)		0.0870		0.0189	
Necroptosis	16 (10.6), 2 (1.3)		0.0077		0.0179		11 (7.3), 1 (0.7)		0.0345		0.0190	
Legionellosis	18 (31.6), 0 (0)		0.0003		0.0197		11 (19.3), 0 (0)		0.0003		0.0204	
Rheumatoid arthritis	10 (11.4), 3 (3.4)		0.0045		0.0137		8 (9.1), 0 (0)		0.0562		0.0139	

Supplementary Table 2: KEGG Pathways gene sets enriched in differentially translated genes measured at Day 2 via Ribosomal Profiling unique to DTP. Results are sorted by absolute difference in Jaccard similarity index between treatment groups.

Gene Set ID	Up-reg. Down-reg. (DTwP)	DTRL Genes N (%) DTRL Genes N (%)	FDR P-Value (DTwP)	Adjusted (DTwP)	Jaccard (DTwP)	Index	Up-reg. Down-reg. (DTaP)	DTRL Genes N (%) DTRL Genes N (%)	FDR P-Value (DTaP)	Adjusted (DTaP)	Jaccard (DTaP)	Index
Chagas disease	14 (14.1), 4 (4)		0.0010		0.0188		7 (7.1), 0 (0)		0.4744		0.0119	
Inflammatory bowel disease	7 (11.5), 2 (3.3)		0.0528		0.0097		3 (4.9), 0 (0)		>0.9999		0.0054	
Epstein-Barr virus infection	17 (8.6), 4 (2)		0.0516		0.0200		11 (5.6), 0 (0)		0.485		0.0162	
Fructose and mannose metabolism	6 (18.8), 0 (0)		0.0876		0.0067		2 (6.2), 0 (0)		>0.9999		0.0038	

Supplementary Table 2: KEGG Pathways gene sets enriched in differentially translated genes measured at Day 2 via Ribosomal Profiling unique to DTP. Results are sorted by absolute difference in Jaccard similarity index between treatment groups. (continued).

Gene Set ID	Up-reg. DTRL Genes N (%), Down-reg. DTRL Genes N (%) (DTwP)	FDR P-Value (DTwP)	Adjusted (DTwP)	Jaccard Index (DTwP)	Up-reg. DTRL Genes N (%), Down-reg. DTRL Genes N (%) (DTaP)	FDR P-Value (DTaP)	Adjusted (DTaP)	Jaccard Index (DTaP)
Salmonella infection	26 (10.7), 1 (0.4)	0.0112		0.0248	14 (5.8), 2 (0.8)	0.1146		0.0222
Glycolysis / Gluconeogenesis	9 (14.1), 0 (0)	0.0636		0.0097	4 (6.2), 0 (0)	0.8346		0.0072
Amino sugar and nucleotide sugar metabolism	8 (17), 0 (0)	0.0781		0.0088	5 (10.6), 1 (2.1)	0.1019		0.0112
Toll-like receptor signaling pathway	14 (14), 1 (1)	0.0045		0.0156	8 (8), 0 (0)	0.1419		0.0137
Collecting duct acid secretion	4 (14.8), 1 (3.7)	0.0876		0.0056	2 (7.4), 0 (0)	0.9871		0.0039
Transcriptional misregulation in cancer	16 (8.7), 6 (3.3)	0.0077		0.0212	11 (6), 2 (1.1)	0.1019		0.0195
Glutathione metabolism	6 (10.9), 1 (1.8)	0.0875		0.0076	5 (9.1), 0 (0)	0.156		0.0092
Systemic lupus erythematosus	8 (6.3), 3 (2.4)	0.0560		0.0111	6 (4.7), 0 (0)	0.4226		0.0098
African trypanosomiasis	6 (16.7), 0 (0)	0.0875		0.0066	4 (11.1), 0 (0)	0.2265		0.0076
Hematopoietic cell lineage	11 (11.8), 3 (3.2)	0.0087		0.0147	8 (8.6), 0 (0)	0.114		0.0138
Fc gamma R-mediated phagocytosis	13 (13.7), 0 (0)	0.0824		0.0136	8 (8.4), 0 (0)	0.2577		0.0138
Natural killer cell mediated cytotoxicity	9 (7.3), 4 (3.3)	0.0776		0.0132	8 (6.5), 0 (0)	0.2647		0.0131

Supplementary Table 3: KEGG Pathways gene sets enriched in differentially translated genes measured at Day 2 via Ribosomal Profiling unique to DTaP. Results are sorted by absolute difference in Jaccard similarity index between treatment groups.

Gene Set ID	Up-reg. DTRL Genes N (%), Down-reg. DTRL Genes N (%) (DTwP)	FDR P-Value (DTwP)	Adjusted (DTwP)	Jaccard Index (DTwP)	Up-reg. DTRL Genes N (%), Down-reg. DTRL Genes N (%) (DTaP)	FDR P-Value (DTaP)	Adjusted (DTaP)	Jaccard Index (DTaP)
C-type lectin receptor signaling pathway	11 (10.7), 0 (0)	0.2683		0.0114	10 (9.7), 0 (0)	0.0562		0.0170
Acute myeloid leukemia	8 (12.5), 1 (1.6)	0.1446		0.0097	6 (9.4), 2 (3.1)	0.0437		0.0145
Apoptosis	13 (9.8), 0 (0)	0.2376		0.0131	10 (7.6), 1 (0.8)	0.0810		0.0179

Supplementary Table 4: Overlap in all genes whose responses at treatment arms and post-vaccination days are correlated with FHA and/or PT values at Day 150 and have at least 50% selection among bootstrap fitted model results (RNA-Seq and Ribosomal Profiling). RP: Ribosomal Profiling, +: significantly up-regulated, -: significantly down-regulated, NS: not significantly regulated, LE: the low-expression filtering cut off was not met.

Gene ID	Gene Name	Gene Description	Gene Type	KEGG Pathways	Reactome Pathways	Overlap	Day 2 Sig. Up/Down Regulation (RNA-Seq/RP, RNA-Seq/RP DTaP)	Day 8 Sig. Up/Down Regulation (RNA-Seq/RP, RNA-Seq/RP DTaP)
ENSG00000259926		novel transcript	lncRNA			RNA-Seq, PT, Day 2; RNA-Seq, PT, DTP, Day 8	+/LE,+/LE	NS/LE,+/LE
ENSG00000169245	CXCL10	C-X-C motif chemokine ligand 10 [Source:HGNC Symbol;Acc:HGNC:10637]	protein coding	Cytokine-cytokine receptor interaction; Viral protein interaction with cytokine and cytokine receptor; Chemokine signaling pathway; Toll-like receptor signaling pathway; RIG-I-like receptor signaling pathway; Cytosolic DNA-sensing pathway; IL-17 signaling pathway; TNF signaling pathway; Hepatitis C; Influenza A; Epstein-Barr virus infection; Coronavirus disease - COVID-19	cytokine signaling in immune system; signaling by gpcr; class a 1 rhodopsin like receptors; peptide ligand binding receptors; chemokine receptors bind chemokines; g alpha i signalling events; signaling by interleukins; gpcr ligand binding; interleukin 10 signaling	RNA-Seq, PT, Day 2; RNA-Seq, PT, DTaP, Day 2	NS/NS,NS/NS	NS/NS,NS/NS
ENSG00000225964	NRIR	negative regulator of interferon response [Source:HGNC Symbol;Acc:HGNC:51269]	lncRNA			RNA-Seq, PT, Day 2; RNA-Seq, PT, DTP, Day 8	NS/LE,NS/LE	NS/LE,+/LE
ENSG00000223125	RNU2-32P	RNA, U2 small nuclear 32, pseudogene [Source:HGNC Symbol;Acc:HGNC:48525]	snRNA			RP, PT, DTP, Day 2	LE/NS,LE/NS	LE/NS,LE/NS
ENSG00000285755		Novel transcript	lncRNA			RP, PT, DTaP, Day 8	LE/NS,LE/NS	LE/NS,LE/NS
ENSG00000211946	IGHV3-20	immunoglobulin heavy variable 3-20 [Source:HGNC Symbol;Acc:HGNC:5585]	IG V gene			RNA-Seq, FHA, DTaP, Day 8	NS/NS,-/NS	NS/NS,-/NS

Supplementary Table 4: Overlap in all genes whose responses at treatment arms and post-vaccination days are correlated with FHA and/or PT values at Day 150 and have at least 50% selection among bootstrap fitted model results (RNA-Seq and Ribosomal Profiling). RP: Ribosomal Profiling, +: significantly up-regulated, -: significantly down-regulated, NS: not significantly regulated, LE: the low-expression filtering cut off was not met. (continued).

Gene ID	Gene Name	Gene Description	Gene Type	KEGG Pathways	Reactome Pathways	Overlap	Day 2 Sig. Up/Down (RNA-Seq/RP, RNA-Seq/RP DTaP)	Day 8 Sig. Up/Down (RNA-Seq/RP, RNA-Seq/RP DTaP)
ENSG00000257017	HP	haptoglobin [Source:HGNC Symbol;Acc:HGNC:5141]	protein coding		innate immune system; scavenging of heme from plasma; binding and uptake of ligands by scavenger receptors; vesicle mediated transport; neutrophil degranulation	RNA-Seq, PT, DTP, Day 2	+/+,+/NS	NS/NS,NS/NS
ENSG00000115155	OTOF	otoferlin [Source:HGNC Symbol;Acc:HGNC:8515]	protein coding		protein localization; insertion of tail anchored proteins into the endoplasmic reticulum membrane; sensory processing of sound; sensory perception	RNA-Seq, PT, DTP, Day 2	+/+,+/NS	NS/NS,+/NS
ENSG00000078081	LAMP3	lysosomal associated membrane protein 3 [Source:HGNC Symbol;Acc:HGNC:14582]	protein coding	Lysosome		RNA-Seq, PT, DTP, Day 2	NS/NS,NS/NS	NS/NS,+/NS
ENSG00000134321	RSAD2	radical S-adenosyl methionine domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30908]	protein coding	Hepatitis C; Influenza A	cytokine signaling in immune system; interferon alpha beta signaling; interferon signaling	RNA-Seq, PT, DTP, Day 2	+/+,+/+	NS/NS,+/NS
ENSG00000104918	RETN	resistin [Source:HGNC Symbol;Acc:HGNC:20389]	protein coding		innate immune system; neutrophil degranulation; rna polymerase ii transcription; foxo mediated transcription; foxo mediated transcription of oxidative stress metabolic and neuronal genes	RNA-Seq, PT, DTP, Day 2	+/+,+/+	NS/NS,+/NS
ENSG00000159189	C1QC	complement C1q C chain [Source:HGNC Symbol;Acc:HGNC:1245]	protein coding	Complement and coagulation cascades; Prion disease; Pertussis; Chagas disease; Staphylococcus aureus infection; Coronavirus disease - COVID-19; Systemic lupus erythematosus	complement cascade; initial triggering of complement; creation of c4 and c2 activators; innate immune system	RNA-Seq, PT, DTP, Day 8	+/+,+/+	NS/NS,+/NS

Supplementary Table 4: Overlap in all genes whose responses at treatment arms and post-vaccination days are correlated with FHA and/or PT values at Day 150 and have at least 50% selection among bootstrap fitted model results (RNA-Seq and Ribosomal Profiling). RP: Ribosomal Profiling, +: significantly up-regulated, -: significantly down-regulated, NS: not significantly regulated, LE: the low-expression filtering cut off was not met. (continued).

Gene ID	Gene Name	Gene Description	Gene Type	KEGG Pathways	Reactome Pathways	Overlap	Day 2 Sig. Up/Down (RNA-Seq/RP, RNA-Seq/RP DTaP)	Day 8 Sig. Up/Down (RNA-Seq/RP, RNA-Seq/RP DTaP)
ENSG00000164045	CDC25A	cell division cycle 25A [Source:HGNC Symbol;Acc:HGNC:1725]	protein coding	Cell cycle; Cellular senescence; Progesterone-mediated oocyte maturation; MicroRNAs in cancer	transcription of e2f targets under negative control by dream complex; g0 and early g1; polo like kinase mediated events; cell cycle; activation of atr in response to replication stress; mitotic g2 m phases; mitotic g1 phase and g1 s transition; deubiquitination; ub specific processing proteases; post translational protein modification; g1 s specific transcription; s phase; cyclin a b1 b2 associated events during g2 m transition; cell cycle mitotic; g2 m checkpoints; g1 s dna damage checkpoints; cell cycle checkpoints; cyclin a cdk2 associated events at s phase entry; deregulated cdk5 triggers multiple neurodegenerative pathways in alzheimer...	RNA-Seq, PT, Day 8	NS/LE,NS/LE	NS/LE,NS/LE
ENSG00000166086	JAM3	junctional adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:15532]	protein coding	Cell adhesion molecules; Tight junction; Leukocyte transendothelial migration; Epithelial cell signaling in Helicobacter pylori infection	hemostasis; extracellular matrix organization; cell surface interactions at the vascular wall; integrin cell surface interactions	RNA-Seq, PT, DTaP, Day 2	-/NS,-/NS	NS/NS,NS/NS
ENSG00000248483	POU5F2	POU domain class 5, transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:26367]	protein coding			RNA-Seq, PT, DTaP, Day 8	+/LE,+/LE	NS/LE,+/LE

Supplementary Table 5: Gene expression data measured via RNA-Seq at Day 2 for DTP for select genes predicting Pertussis Toxin antibody responses measured in International Units (IU)/mL. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000259926		novel transcript	lncRNA	2.1905	2.3706	19.4422	<0.0001	0.0002
ENSG00000225964	NRIR	negative regulator of interferon response [Source:HGNC Symbol;Acc:HGNC:51269]	lncRNA	0.6884	1.4492	3.6488	0.0561	0.1386
ENSG00000169245	CXCL10	C-X-C motif chemokine lig- and 10 [Source:HGNC Symbol;Acc:HGNC:10637]	protein coding	0.5768	2.1254	1.3315	0.2485	0.4011

Supplementary Table 6: Gene expression data measured via RNA-Seq at Day 2 for DTaP for select genes predicting Pertussis Toxin antibody responses measured in International Units (IU)/mL. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000169245	CXCL10	C-X-C motif chemokine lig- and 10 [Source:HGNC Symbol;Acc:HGNC:10637]	protein coding	0.9853	3.5858	2.7078	0.0999	0.2054

Supplementary Table 7: Gene expression data measured via RNA-Seq at Day 8 for DTP for select genes predicting Pertussis Toxin antibody responses measured in International Units (IU)/mL. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000259926		novel transcript	lncRNA	1.3852	1.3612	6.4184	0.0113	0.4233
ENSG00000225964	NRIR	negative regulator of interferon response [Source:HGNC Symbol;Acc:HGNC:51269]	lncRNA	0.1998	1.9961	0.1860	0.6662	0.9146

Supplementary Table 8: Frequency of participants experiencing any solicited adverse events (reactogenicity) following dose 1 of DTaP or DTP-containing vaccine.

Vaccination 1									
	DTaP (N=30)			DTP (N=26)			Combined Vaccine Groups (N=56)		
Symptom	n	%	95% CI	n	%	95% CI	n	%	95% CI
Injection Site Erythema	5	16.7	5.6, 34.7	10	38.5	20.2, 59.4	15	26.8	15.8, 40.3
Swelling	6	20.0	7.7, 38.6	7	26.9	11.6, 47.8	13	23.2	13.0, 36.4
Any Local Symptom	9	30.0	14.7, 49.4	14	53.8	33.4, 73.4	23	41.1	28.1, 55.0
Fever	5	16.7	5.6, 34.7	5	19.2	6.6, 39.4	10	17.9	8.9, 30.4
Fussiness	17	56.7	37.4, 74.5	26	100.0	86.8, 100.0	43	76.8	63.6, 87.0
Any Systemic Symptom	19	63.3	43.9, 80.1	26	100.0	86.8, 100.0	45	80.4	67.6, 89.8
Any Systemic or Local Symptom	21	70.0	50.6, 85.3	26	100.0	86.8, 100.0	47	83.9	71.7, 92.4
Denominator for the percentage is the number of subjects who received the first vaccination (N). 95% confidence intervals (CIs) are from an exact binomial distribution (Clopper-Pearson).									

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000257017	HP	haptoglobin [Source:HGNC Symbol;Acc:HGNC:5141]	protein coding	3.7183	3.9830	103.0435	<0.0001	<0.0001
ENSG00000159189	C1QC	complement C1q C chain [Source:HGNC Symbol;Acc:HGNC:1245]	protein coding	3.3123	2.9961	56.6635	<0.0001	<0.0001
ENSG00000163221	S100A12	S100 calcium binding protein A12 [Source:HGNC Symbol;Acc:HGNC:10489]	protein coding	3.0985	7.7461	254.7037	<0.0001	<0.0001
ENSG00000104918	RETN	resistin [Source:HGNC Symbol;Acc:HGNC:20389]	protein coding	2.9931	4.8101	96.0437	<0.0001	<0.0001
ENSG00000169385	RNASE2	ribonuclease A family member 2 [Source:HGNC Symbol;Acc:HGNC:10045]	protein coding	2.8995	4.4781	111.3900	<0.0001	<0.0001
ENSG00000110079	MS4A4A	membrane spanning 4-domains A4A [Source:HGNC Symbol;Acc:HGNC:13371]	protein coding	2.7094	3.5578	111.8288	<0.0001	<0.0001
ENSG00000143546	S100A8	S100 calcium binding protein A8 [Source:HGNC Symbol;Acc:HGNC:10498]	protein coding	2.6440	10.6187	200.0899	<0.0001	<0.0001
ENSG00000148926	ADM	adrenomedullin [Source:HGNC Symbol;Acc:HGNC:259]	protein coding	2.6426	2.7073	46.5729	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000173369	C1QB	complement C1q B chain [Source:HGNC Symbol;Acc:HGNC:1242]	protein coding	2.6388	4.1662	37.9550	<0.0001	<0.0001
ENSG00000103569	AQP9	aquaporin 9 [Source:HGNC Symbol;Acc:HGNC:643]	protein coding	2.6225	4.7440	101.1930	<0.0001	<0.0001
ENSG00000183019	MCEMP1	mast cell expressed membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:27291]	protein coding	2.6060	4.9475	123.4865	<0.0001	<0.0001
ENSG00000173372	C1QA	complement C1q A chain [Source:HGNC Symbol;Acc:HGNC:1241]	protein coding	2.4890	4.8037	83.8492	<0.0001	<0.0001
ENSG00000198019	FCGR1B	Fc fragment of IgG receptor Ib [Source:HGNC Symbol;Acc:HGNC:3614]	protein coding	2.4728	4.4651	79.5437	<0.0001	<0.0001
ENSG00000163220	S100A9	S100 calcium binding protein A9 [Source:HGNC Symbol;Acc:HGNC:10499]	protein coding	2.3742	11.6377	198.0800	<0.0001	<0.0001
ENSG00000265531	FCGR1CP	Fc fragment of IgG receptor Ic, pseudogene [Source:HGNC Symbol;Acc:HGNC:3615]	unprocessed pseudo-gene	2.3346	2.6518	50.9523	<0.0001	<0.0001
ENSG00000019169	MARCO	macrophage receptor with collagenous structure [Source:HGNC Symbol;Acc:HGNC:6895]	protein coding	2.3282	4.4875	161.8777	<0.0001	<0.0001
ENSG00000138061	CYP1B1	cytochrome P450 family 1 subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:2597]	protein coding	2.2933	3.6773	83.1982	<0.0001	<0.0001
ENSG00000150337	FCGR1A	Fc fragment of IgG receptor Ia [Source:HGNC Symbol;Acc:HGNC:3613]	protein coding	2.2779	5.2700	80.2185	<0.0001	<0.0001
ENSG00000286242		novel transcript, antisense to UBE2D3	lncRNA	2.2763	1.9828	26.9187	<0.0001	<0.0001
ENSG00000259926		novel transcript	lncRNA	2.1905	2.3706	19.4422	<0.0001	0.0002
ENSG00000287920		novel transcript, antisense to NEDD9	lncRNA	2.1535	2.3666	15.6975	<0.0001	0.001
ENSG00000010327	STAB1	stabilin 1 [Source:HGNC Symbol;Acc:HGNC:18628]	protein coding	2.1399	5.9207	113.5764	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000236977	ANKRD44-IT1	ANKRD44 intronic transcript 1 [Source:HGNC Symbol;Acc:HGNC:41477]	lncRNA	2.1138	2.6710	31.4152	<0.0001	<0.0001
ENSG00000184557	SOCS3	suppressor of cytokine signaling 3 [Source:HGNC Symbol;Acc:HGNC:19391]	protein coding	2.1075	5.7661	103.3768	<0.0001	<0.0001
ENSG00000126262	FFAR2	free fatty acid receptor 2 [Source:HGNC Symbol;Acc:HGNC:4501]	protein coding	2.1022	4.3724	40.4877	<0.0001	<0.0001
ENSG00000180061	TMEM150B	transmembrane 150B [Source:HGNC Symbol;Acc:HGNC:34415]	protein coding	2.0948	2.3317	27.8177	<0.0001	<0.0001
ENSG00000270871		novel transcript, antisense TAF15	lncRNA	2.0943	2.7441	15.2587	<0.0001	0.0012
ENSG00000152766	ANKRD22	ankyrin repeat domain 22 [Source:HGNC Symbol;Acc:HGNC:28321]	protein coding	2.0714	2.7476	24.2753	<0.0001	<0.0001
ENSG00000130202	NECTIN2	nectin cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:9707]	protein coding	2.0227	2.8689	52.4362	<0.0001	<0.0001
ENSG00000171236	LRG1	leucine rich alpha-2-glycoprotein 1 [Source:HGNC Symbol;Acc:HGNC:29480]	protein coding	1.9654	1.8887	25.9426	<0.0001	<0.0001
ENSG00000135636	DYSF	dysferlin [Source:HGNC Symbol;Acc:HGNC:3097]	protein coding	1.9635	5.2309	95.3157	<0.0001	<0.0001
ENSG00000222057	RNU4-62P	RNA, U4 small nuclear 62, pseudogene [Source:HGNC Symbol;Acc:HGNC:46998]	snRNA	1.9518	3.0289	27.1452	<0.0001	<0.0001
ENSG00000088827	SIGLEC1	sialic acid binding Ig like lectin 1 [Source:HGNC Symbol;Acc:HGNC:11127]	protein coding	1.9399	4.9767	25.6463	<0.0001	<0.0001
ENSG00000115155	OTOF	otoferlin [Source:HGNC Symbol;Acc:HGNC:8515]	protein coding	1.9361	2.2618	9.3501	0.0022	0.0132
ENSG00000185339	TCN2	transcobalamin 2 [Source:HGNC Symbol;Acc:HGNC:11653]	protein coding	1.9223	3.6232	53.2374	<0.0001	<0.0001
ENSG00000119917	IFIT3	interferon induced protein with tetratricopeptide repeats 3 [Source:HGNC Symbol;Acc:HGNC:5411]	protein coding	1.9219	6.9412	26.5026	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000251442	LINC01094	long intergenic non-protein coding RNA 1094 [Source:HGNC Symbol;Acc:HGNC:49219]	lncRNA	1.8828	1.5701	38.8561	<0.0001	<0.0001
ENSG00000146592	CREB5	cAMP responsive element binding protein 5 [Source:HGNC Symbol;Acc:HGNC:16844]	protein coding	1.8669	3.6988	66.5594	<0.0001	<0.0001
ENSG00000164047	CAMP	cathelicidin antimicrobial peptide [Source:HGNC Symbol;Acc:HGNC:1472]	protein coding	-1.8501	2.4663	42.7728	<0.0001	<0.0001
ENSG00000198336	MYL4	myosin light chain 4 [Source:HGNC Symbol;Acc:HGNC:7585]	protein coding	1.8346	3.5670	31.4052	<0.0001	<0.0001
ENSG00000105048	TNNT1	troponin T1, slow skeletal type [Source:HGNC Symbol;Acc:HGNC:11948]	protein coding	1.8086	2.0223	41.6813	<0.0001	<0.0001
ENSG00000171049	FPR2	formyl peptide receptor 2 [Source:HGNC Symbol;Acc:HGNC:3827]	protein coding	1.7947	3.7347	74.1685	<0.0001	<0.0001
ENSG00000280138		novel transcript	TEC	1.7934	3.1186	16.2394	<0.0001	0.0008
ENSG00000279573		TEC	TEC	1.7770	2.0139	17.4285	<0.0001	0.0005
ENSG00000272578		glucuronidase, beta (GUSB) pseudogene	transcribed unprocessed pseudogene	1.7697	1.9965	16.1577	<0.0001	0.0008
ENSG00000279159		novel transcript, antisense to MTMR3	lncRNA	1.7628	3.7273	32.3444	<0.0001	<0.0001
ENSG00000248544		novel transcript, antisense to CYFIP2	lncRNA	1.7540	1.5176	17.7149	<0.0001	0.0004
ENSG00000128383	APOBEC3A	apolipoprotein B mRNA editing enzyme catalytic subunit 3A [Source:HGNC Symbol;Acc:HGNC:17343]	protein coding	1.7538	6.3762	55.3840	<0.0001	<0.0001
ENSG00000274422		novel transcript	lncRNA	1.7532	2.7138	22.8913	<0.0001	<0.0001
ENSG00000257337		novel transcript, antisense to TENC1 and EIF4B	lncRNA	1.7503	1.7214	17.8540	<0.0001	0.0004
ENSG00000285399		novel transcript	lncRNA	1.7499	1.8381	23.9809	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000231607	DLEU2	deleted in lymphocytic leukemia 2 [Source:HGNC Symbol;Acc:HGNC:13748]	lncRNA	1.7459	3.4728	33.0793	<0.0001	<0.0001
ENSG00000269821	KCNQ1OT1	KCNQ1 opposite strand/antisense transcript 1 [Source:HGNC Symbol;Acc:HGNC:6295]	lncRNA	1.7202	2.6747	18.8001	<0.0001	0.0003
ENSG00000137959	IFI44L	interferon induced protein 44 like [Source:HGNC Symbol;Acc:HGNC:17817]	protein coding	1.7168	6.8370	26.4336	<0.0001	<0.0001
ENSG00000038427	VCAN	versican [Source:HGNC Symbol;Acc:HGNC:2464]	protein coding	1.7123	8.1000	67.8233	<0.0001	<0.0001
ENSG00000123405	NFE2	nuclear factor, erythroid 2 [Source:HGNC Symbol;Acc:HGNC:7780]	protein coding	1.7017	6.5946	129.5302	<0.0001	<0.0001
ENSG00000188305	PEAK3	PEAK family member 3 [Source:HGNC Symbol;Acc:HGNC:24793]	protein coding	1.6867	2.6582	38.9451	<0.0001	<0.0001
ENSG00000111424	VDR	vitamin D receptor [Source:HGNC Symbol;Acc:HGNC:12679]	protein coding	1.6704	4.8278	56.9541	<0.0001	<0.0001
ENSG00000143416	SELENBP1	selenium binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10719]	protein coding	1.6493	6.4384	45.3830	<0.0001	<0.0001
ENSG00000187116	LILRA5	leukocyte immunoglobulin like receptor A5 [Source:HGNC Symbol;Acc:HGNC:16309]	protein coding	1.6487	7.0783	85.3338	<0.0001	<0.0001
ENSG00000248483	POU5F2	POU domain class 5, transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:26367]	protein coding	1.6472	2.1014	23.2443	<0.0001	<0.0001
ENSG00000008516	MMP25	matrix metalloproteinase 25 [Source:HGNC Symbol;Acc:HGNC:14246]	protein coding	1.6414	3.3322	31.2568	<0.0001	<0.0001
ENSG00000258682		novel transcript, sense overlapping PSMA3	lncRNA	1.6410	3.1742	12.0253	0.0005	0.0044
ENSG00000233056	ERVH48-1	endogenous retrovirus group 48 member 1 [Source:HGNC Symbol;Acc:HGNC:17216]	lncRNA	-1.6333	2.8681	17.5656	<0.0001	0.0005

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000229152	ANKRD10-IT1	ANKRD10 intronic transcript 1 [Source:HGNC Symbol;Acc:HGNC:39891]	lncRNA	1.6283	1.7470	15.2057	<0.0001	0.0012
ENSG00000236383	CCDC200	coiled-coil domain containing 200 [Source:HGNC Symbol;Acc:HGNC:43658]	protein coding	1.6277	1.3953	22.4982	<0.0001	<0.0001
ENSG00000173868	PHOSPHO1	phosphoethanolamine/phosphocholine phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:16815]	protein coding	1.6230	5.8470	70.0803	<0.0001	<0.0001
ENSG00000235532	LINC00402	long intergenic non-protein coding RNA 402 [Source:HGNC Symbol;Acc:HGNC:42732]	lncRNA	-1.6175	1.9567	21.6703	<0.0001	<0.0001
ENSG00000255423	EBLN2	endogenous Bornavirus like nucleoprotein 2 [Source:HGNC Symbol;Acc:HGNC:25493]	protein coding	1.6125	2.5391	17.7837	<0.0001	0.0004
ENSG00000113749	HRH2	histamine receptor H2 [Source:HGNC Symbol;Acc:HGNC:5183]	protein coding	1.6091	7.0420	74.4200	<0.0001	<0.0001
ENSG00000018280	SLC11A1	solute carrier family 11 member 1 [Source:HGNC Symbol;Acc:HGNC:10907]	protein coding	1.6073	6.8030	119.6995	<0.0001	<0.0001
ENSG00000188536	HBA2	hemoglobin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:4824]	protein coding	1.6034	12.8991	43.1537	<0.0001	<0.0001
ENSG00000157168	NRG1	neuregulin 1 [Source:HGNC Symbol;Acc:HGNC:7997]	protein coding	1.6010	1.9189	13.4901	0.0002	0.0025
ENSG00000198959	TGM2	transglutaminase 2 [Source:HGNC Symbol;Acc:HGNC:11778]	protein coding	1.5982	2.9591	30.1043	<0.0001	<0.0001
ENSG00000086506	HBQ1	hemoglobin subunit theta 1 [Source:HGNC Symbol;Acc:HGNC:4833]	protein coding	1.5950	2.5405	10.9358	0.0009	0.0069
ENSG00000166527	CLEC4D	C-type lectin domain family 4 member D [Source:HGNC Symbol;Acc:HGNC:14554]	protein coding	1.5840	2.3167	25.8023	<0.0001	<0.0001
ENSG00000161944	ASGR2	asialoglycoprotein receptor 2 [Source:HGNC Symbol;Acc:HGNC:743]	protein coding	1.5774	4.9531	86.6855	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000134765	DSC1	desmocollin 1 [Source:HGNC Symbol;Acc:HGNC:3035]	protein coding	-1.5740	1.8068	13.4202	0.0002	0.0025
ENSG00000206172	HBA1	hemoglobin subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:4823]	protein coding	1.5671	12.7475	46.5574	<0.0001	<0.0001
ENSG00000211800	TRAV20	T cell receptor alpha variable 20 [Source:HGNC Symbol;Acc:HGNC:12117]	TR V gene	-1.5626	1.6717	26.0793	<0.0001	<0.0001
ENSG0000025708	TYMP	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	protein coding	1.5559	7.3525	49.0228	<0.0001	<0.0001
ENSG00000136689	IL1RN	interleukin 1 receptor antagonist [Source:HGNC Symbol;Acc:HGNC:6000]	protein coding	1.5524	5.3038	87.9362	<0.0001	<0.0001
ENSG00000119686	FLVCR2	FLVCR heme transporter 2 [Source:HGNC Symbol;Acc:HGNC:20105]	protein coding	1.5500	3.8550	65.2285	<0.0001	<0.0001
ENSG00000280047	SLC9A7P1	TEC	TEC	1.5489	2.3861	18.7214	<0.0001	0.0003
ENSG00000227825		solute carrier family 9 member 7 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:32679]	transcribed processed pseudo-gene	1.5476	2.2601	27.4006	<0.0001	<0.0001
ENSG00000171051	FPR1	formyl peptide receptor 1 [Source:HGNC Symbol;Acc:HGNC:3826]	protein coding	1.5462	6.7435	75.3366	<0.0001	<0.0001
ENSG00000186205	MTARC1	mitochondrial amidoxime reducing component 1 [Source:HGNC Symbol;Acc:HGNC:26189]	protein coding	1.5429	2.7147	36.1529	<0.0001	<0.0001
ENSG00000196565	HBG2	hemoglobin subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:4832]	protein coding	1.5394	6.9301	60.9129	<0.0001	<0.0001
ENSG00000163993	S100P	S100 calcium binding protein P [Source:HGNC Symbol;Acc:HGNC:10504]	protein coding	1.5364	2.3407	34.0916	<0.0001	<0.0001
ENSG00000102524	TNFSF13B	TNF superfamily member 13b [Source:HGNC Symbol;Acc:HGNC:11929]	protein coding	1.5339	6.7175	28.9752	<0.0001	<0.0001
ENSG00000160883	HK3	hexokinase 3 [Source:HGNC Symbol;Acc:HGNC:4925]	protein coding	1.5299	6.5746	81.1971	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000183087	GAS6	growth arrest specific 6 [Source:HGNC Symbol;Acc:HGNC:4168]	protein coding	1.5275	3.7882	58.4545	<0.0001	<0.0001
ENSG00000204577	LILRB3	leukocyte immunoglobulin like receptor B3 [Source:HGNC Symbol;Acc:HGNC:6607]	protein coding	1.5250	7.1769	74.0592	<0.0001	<0.0001
ENSG00000169116	PARM1	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	protein coding	-1.5187	1.2573	13.9566	0.0002	0.002
ENSG00000211797	TRAV17	T cell receptor alpha variable 17 [Source:HGNC Symbol;Acc:HGNC:12113]	TR V gene	-1.5182	2.4944	25.5633	<0.0001	<0.0001
ENSG00000179639	FCER1A	Fc fragment of IgE receptor 1a [Source:HGNC Symbol;Acc:HGNC:3609]	protein coding	-1.5112	2.4472	33.8575	<0.0001	<0.0001
ENSG00000112299	VNN1	vanin 1 [Source:HGNC Symbol;Acc:HGNC:12705]	protein coding	1.5078	2.9039	30.6676	<0.0001	<0.0001
ENSG00000164930	FZD6	frizzled class receptor 6 [Source:HGNC Symbol;Acc:HGNC:4044]	protein coding	-1.5073	1.8814	16.3984	<0.0001	0.0008
ENSG00000211795	TRAV8-6	T cell receptor alpha variable 8-6 [Source:HGNC Symbol;Acc:HGNC:12151]	TR V gene	-1.4997	2.9379	12.0628	0.0005	0.0044
ENSG00000286646		novel transcript, antisense to MAP3K5	lncRNA	1.4978	4.3291	36.2150	<0.0001	<0.0001
ENSG00000276819	TRBV15	T cell receptor beta variable 15 [Source:HGNC Symbol;Acc:HGNC:12190]	TR V gene	-1.4934	1.5776	15.9245	<0.0001	0.0009
ENSG00000133742	CA1	carbonic anhydrase 1 [Source:HGNC Symbol;Acc:HGNC:1368]	protein coding	1.4887	3.3318	37.7270	<0.0001	<0.0001
ENSG00000211809	TRAV27	T cell receptor alpha variable 27 [Source:HGNC Symbol;Acc:HGNC:12125]	TR V gene	-1.4846	1.7535	10.8204	0.001	0.0072
ENSG00000004939	SLC4A1	solute carrier family 4 member 1 (Diego blood group) [Source:HGNC Symbol;Acc:HGNC:11027]	protein coding	1.4779	8.5163	41.9113	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000263069	RNF213-AS1	RNF213 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:54402]	lncRNA	1.4769	2.8245	10.7020	0.0011	0.0076
ENSG00000174791	RIN1	Ras and Rab interactor 1 [Source:HGNC Symbol;Acc:HGNC:18749]	protein coding	1.4746	3.2054	30.8684	<0.0001	<0.0001
ENSG00000104972	LILRB1	leukocyte immunoglobulin like receptor B1 [Source:HGNC Symbol;Acc:HGNC:6605]	protein coding	1.4739	7.5573	51.2505	<0.0001	<0.0001
ENSG00000249485	RBBP4P1	RBBP4 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:42368]	processed pseudo-gene	-1.4708	2.6166	11.0663	0.0009	0.0065
ENSG00000251562	MALAT1	metastasis associated lung adenocarcinoma transcript 1 [Source:HGNC Symbol;Acc:HGNC:29665]	lncRNA	1.4708	11.5786	28.2673	<0.0001	<0.0001
ENSG00000230551		novel transcript	lncRNA	1.4680	3.8231	23.0402	<0.0001	<0.0001
ENSG00000251578	TRBV21-1	T cell receptor beta variable 21-1 (pseudogene) [Source:HGNC Symbol;Acc:HGNC:12198]	TR V pseudo-gene	-1.4651	2.4059	11.7729	0.0006	0.0049
ENSG00000070182	SPTB	spectrin beta, erythrocytic [Source:HGNC Symbol;Acc:HGNC:11274]	protein coding	1.4644	4.2410	51.1334	<0.0001	<0.0001
ENSG00000169877	AHSP	alpha hemoglobin stabilizing protein [Source:HGNC Symbol;Acc:HGNC:18075]	protein coding	1.4593	5.9854	63.8910	<0.0001	<0.0001
ENSG00000156414	TDRD9	tudor domain containing 9 [Source:HGNC Symbol;Acc:HGNC:20122]	protein coding	1.4589	1.8931	9.9904	0.0016	0.0102
ENSG00000163803	PLB1	phospholipase B1 [Source:HGNC Symbol;Acc:HGNC:30041]	protein coding	1.4483	4.0871	57.5446	<0.0001	<0.0001
ENSG00000250138		POM121 membrane glycoprotein-like 1 (POM121L1) pseudogene	unprocessed pseudo-gene	1.4434	3.0528	40.6092	<0.0001	<0.0001
ENSG00000014257	ACP3	acid phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:125]	protein coding	1.4382	3.0240	38.5392	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000184060	ADAP2	ArfGAP with dual PH domains 2 [Source:HGNC Symbol;Acc:HGNC:16487]	protein coding	1.4291	5.3611	60.1573	<0.0001	<0.0001
ENSG00000166947	EPB42	erythrocyte membrane protein band 4.2 [Source:HGNC Symbol;Acc:HGNC:3381]	protein coding	1.4281	4.5890	48.8819	<0.0001	<0.0001
ENSG00000244482	LILRA6	leukocyte immunoglobulin like receptor A6 [Source:HGNC Symbol;Acc:HGNC:15495]	protein coding	1.4258	5.6596	57.1642	<0.0001	<0.0001
ENSG00000087237	CETP	cholesteryl ester transfer protein [Source:HGNC Symbol;Acc:HGNC:1869]	protein coding	1.4223	1.8734	23.3705	<0.0001	<0.0001
ENSG00000121316	PLBD1	phospholipase B domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26215]	protein coding	1.4178	6.0939	49.2060	<0.0001	<0.0001
ENSG00000135114	OASL	2'-5'-oligoadenylate synthetase like [Source:HGNC Symbol;Acc:HGNC:8090]	protein coding	1.4105	5.0699	30.5668	<0.0001	<0.0001
ENSG00000162959	MEMO1	mediator of cell motility 1 [Source:HGNC Symbol;Acc:HGNC:14014]	protein coding	1.4102	4.1636	19.3574	<0.0001	0.0002
ENSG00000286067		novel transcript, antisense to PXN	lncRNA	1.3998	3.0724	20.2600	<0.0001	0.0002
ENSG00000113088	GZMK	granzyme K [Source:HGNC Symbol;Acc:HGNC:4711]	protein coding	-1.3936	3.7651	13.9760	0.0002	0.002
ENSG00000251571	DDX3P3	DEAD-box helicase 3 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:42173]	processed pseudogene	-1.3923	2.3181	13.1580	0.0003	0.0028
ENSG00000071794	HLTF	helicase like transcription factor [Source:HGNC Symbol;Acc:HGNC:11099]	protein coding	-1.3909	1.9823	11.2662	0.0008	0.006
ENSG00000149131	SERPING1	serpin family G member 1 [Source:HGNC Symbol;Acc:HGNC:1228]	protein coding	1.3782	4.0814	10.5074	0.0012	0.0082
ENSG00000226029	LINC01772	long intergenic non-protein coding RNA 1772 [Source:HGNC Symbol;Acc:HGNC:52562]	lncRNA	1.3780	1.9245	9.5735	0.002	0.0121
ENSG00000142089	IFITM3	interferon induced transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:5414]	protein coding	1.3769	8.4145	44.5433	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000285437	POLR2J3	RNA polymerase II subunit J3 [Source:HGNC Symbol;Acc:HGNC:33853]	protein coding	1.3752	2.5158	12.0409	0.0005	0.0044
ENSG00000211788	TRAV13-1	T cell receptor alpha variable 13-1 [Source:HGNC Symbol;Acc:HGNC:12108]	TR V gene	-1.3752	3.7451	9.3382	0.0022	0.0133
ENSG00000250461		family with sequence similarity 133, member B (FAM133B) pseudogene	processed pseudo-gene	1.3729	3.0735	21.7699	<0.0001	<0.0001
ENSG00000165092	ALDH1A1	aldehyde dehydrogenase 1 family member A1 [Source:HGNC Symbol;Acc:HGNC:402]	protein coding	-1.3723	2.5558	29.3372	<0.0001	<0.0001
ENSG00000211789	TRAV12-2	T cell receptor alpha variable 12-2 [Source:HGNC Symbol;Acc:HGNC:12106]	TR V gene	-1.3701	3.1612	22.1614	<0.0001	<0.0001
ENSG00000279838		TEC	TEC	1.3680	2.7879	17.7221	<0.0001	0.0004
ENSG00000211810	TRAV29DV5	T cell receptor alpha variable 29/delta variable 5 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:12127]	TR V gene	-1.3651	2.8894	26.5401	<0.0001	<0.0001
ENSG00000185482	STAC3	SH3 and cysteine rich domain 3 [Source:HGNC Symbol;Acc:HGNC:28423]	protein coding	1.3631	4.2969	70.4233	<0.0001	<0.0001
ENSG00000211750	TRBV24-1	T cell receptor beta variable 24-1 [Source:HGNC Symbol;Acc:HGNC:12203]	TR V gene	-1.3620	2.1931	12.4644	0.0004	0.0037
ENSG00000100097	LGALS1	galectin 1 [Source:HGNC Symbol;Acc:HGNC:6561]	protein coding	1.3599	7.4002	85.2668	<0.0001	<0.0001
ENSG00000286786		novel transcript, antisense to RASGRP1	lncRNA	1.3589	2.0993	9.4087	0.0022	0.0129
ENSG00000157551	KCNJ15	potassium inwardly rectifying channel subfamily J member 15 [Source:HGNC Symbol;Acc:HGNC:6261]	protein coding	1.3568	2.0331	10.6753	0.0011	0.0076
ENSG00000177575	CD163	CD163 molecule [Source:HGNC Symbol;Acc:HGNC:1631]	protein coding	1.3560	4.4979	43.7955	<0.0001	<0.0001
ENSG00000170956	CEACAM3	CEA cell adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:1815]	protein coding	1.3526	2.8702	37.3599	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000170458	CD14	CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628]	protein coding	1.3511	8.1313	52.0088	<0.0001	<0.0001
ENSG00000161643	SIGLEC16	sialic acid binding Ig like lectin 16 (gene/pseudo-gene) [Source:HGNC Symbol;Acc:HGNC:24851]	transcribed unprocessed pseudo-gene	1.3499	1.7772	36.1758	<0.0001	<0.0001
ENSG00000081923	ATP8B1	ATPase phospholipid transporting 8B1 [Source:HGNC Symbol;Acc:HGNC:3706]	protein coding	1.3430	1.7130	14.0143	0.0002	0.002
ENSG00000162614	NEXN	nexilin F-actin binding protein [Source:HGNC Symbol;Acc:HGNC:29557]	protein coding	1.3384	4.1235	22.2928	<0.0001	<0.0001
ENSG00000256553	TRAV1-2	T cell receptor alpha variable 1-2 [Source:HGNC Symbol;Acc:HGNC:12102]	TR V gene	-1.3318	2.1302	9.1706	0.0025	0.0142
ENSG00000233901	LINC01503	long intergenic non-protein coding RNA 1503 [Source:HGNC Symbol;Acc:HGNC:51184]	lncRNA	1.3308	2.8450	21.3717	<0.0001	<0.0001
ENSG00000105352	CEACAM4	CEA cell adhesion molecule 4 [Source:HGNC Symbol;Acc:HGNC:1816]	protein coding	1.3304	2.8433	30.8364	<0.0001	<0.0001
ENSG00000131503	ANKHD1	ankyrin repeat and KH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24714]	protein coding	1.3275	2.3285	11.9056	0.0006	0.0046
ENSG00000232952		matrin 3 (MATR3) pseudogene	processed pseudo-gene	-1.3268	2.4050	9.5381	0.002	0.0123
ENSG00000076944	STXBP2	syntaxin binding protein 2 [Source:HGNC Symbol;Acc:HGNC:11445]	protein coding	1.3252	7.2621	73.7360	<0.0001	<0.0001
ENSG00000169403	PTAFR	platelet activating factor receptor [Source:HGNC Symbol;Acc:HGNC:9582]	protein coding	1.3233	7.2191	45.1617	<0.0001	<0.0001
ENSG00000211801	TRAV21	T cell receptor alpha variable 21 [Source:HGNC Symbol;Acc:HGNC:12118]	TR V gene	-1.3232	2.5808	26.5621	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135838	NPL	N-acetylneuraminate pyruvate lyase [Source:HGNC Symbol;Acc:HGNC:16781]	protein coding	1.3227	4.6456	74.4508	<0.0001	<0.0001
ENSG00000167768	KRT1	keratin 1 [Source:HGNC Symbol;Acc:HGNC:6412]	protein coding	1.3225	4.0937	57.0019	<0.0001	<0.0001
ENSG00000225963		novel transcript, antisense to SP110	lncRNA	1.3196	3.0107	13.1429	0.0003	0.0028
ENSG00000148288	GBGT1	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group) [Source:HGNC Symbol;Acc:HGNC:20460]	protein coding	1.3151	3.8146	61.6899	<0.0001	<0.0001
ENSG00000213985		ARP2 actin-related protein 2 homolog (yeast) (ACTR2) pseudogene	processed pseudogene	-1.3149	2.9393	22.4236	<0.0001	<0.0001
ENSG00000117984	CTSD	cathepsin D [Source:HGNC Symbol;Acc:HGNC:2529]	protein coding	1.3137	7.6736	52.3891	<0.0001	<0.0001
ENSG00000170909	OSCAR	osteoclast associated Ig-like receptor [Source:HGNC Symbol;Acc:HGNC:29960]	protein coding	1.3135	5.9157	65.5375	<0.0001	<0.0001
ENSG00000262655	SPON1	spondin 1 [Source:HGNC Symbol;Acc:HGNC:11252]	protein coding	-1.3114	1.8470	27.9959	<0.0001	<0.0001
ENSG00000286035		novel transcript	lncRNA	1.3109	2.3478	16.2550	<0.0001	0.0008
ENSG00000198146	ZNF770	zinc finger protein 770 [Source:HGNC Symbol;Acc:HGNC:26061]	protein coding	-1.3109	3.6228	29.9579	<0.0001	<0.0001
ENSG00000182118	FAM89A	family with sequence similarity 89 member A [Source:HGNC Symbol;Acc:HGNC:25057]	protein coding	1.3090	1.7730	22.8960	<0.0001	<0.0001
ENSG00000197249	SERPINA1	serpin family A member 1 [Source:HGNC Symbol;Acc:HGNC:8941]	protein coding	1.3075	8.8779	60.8826	<0.0001	<0.0001
ENSG00000134321	RSAD2	radical S-adenosyl methionine domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30908]	protein coding	1.3061	5.8194	18.3382	<0.0001	0.0003
ENSG00000127954	STEAP4	STEAP4 metalloredutase [Source:HGNC Symbol;Acc:HGNC:21923]	protein coding	1.3050	2.6343	17.6177	<0.0001	0.0005

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000120306	CYSTM1	cysteine rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	protein coding	1.3046	3.5858	67.3347	<0.0001	<0.0001
ENSG00000110203	FOLR3	folate receptor gamma [Source:HGNC Symbol;Acc:HGNC:3795]	protein coding	1.3011	3.7789	12.6648	0.0004	0.0034
ENSG00000151948	GLT1D1	glycosyltransferase 1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26483]	protein coding	1.2997	4.9584	64.3779	<0.0001	<0.0001
ENSG00000129757	CDKN1C	cyclin dependent kinase inhibitor 1C [Source:HGNC Symbol;Acc:HGNC:1786]	protein coding	1.2958	4.1348	30.6919	<0.0001	<0.0001
ENSG00000088992	TESC	tescalcin [Source:HGNC Symbol;Acc:HGNC:26065]	protein coding	1.2947	5.1418	78.3517	<0.0001	<0.0001
ENSG00000259891		novel transcript, antisense to CHAC1	lncRNA	1.2946	1.8260	7.5126	0.0061	0.0279
ENSG00000257495	KRT73-AS1	KRT73 antisense 1 [Source:HGNC Symbol;Acc:HGNC:49607]	lncRNA	-1.2945	2.0562	11.8438	0.0006	0.0048
ENSG00000211807	TRAV26-1	T cell receptor alpha variable 26-1 [Source:HGNC Symbol;Acc:HGNC:12123]	TR V gene	-1.2932	2.5218	23.2198	<0.0001	<0.0001
ENSG00000162772	ATF3	activating transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:785]	protein coding	1.2873	1.3051	17.0238	<0.0001	0.0006
ENSG00000162722	TRIM58	tripartite motif containing 58 [Source:HGNC Symbol;Acc:HGNC:24150]	protein coding	1.2851	6.9645	37.9790	<0.0001	<0.0001
ENSG00000211786	TRAV8-2	T cell receptor alpha variable 8-2 [Source:HGNC Symbol;Acc:HGNC:12147]	TR V gene	-1.2812	3.1443	20.5596	<0.0001	0.0001
ENSG00000012223	LTF	lactotransferrin [Source:HGNC Symbol;Acc:HGNC:6720]	protein coding	-1.2793	3.0318	23.4760	<0.0001	<0.0001
ENSG00000157601	MX1	MX dynamin like GTPase 1 [Source:HGNC Symbol;Acc:HGNC:7532]	protein coding	1.2791	7.4070	29.3279	<0.0001	<0.0001
ENSG00000115271	GCA	grancalcin [Source:HGNC Symbol;Acc:HGNC:15990]	protein coding	1.2772	5.4108	86.5685	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000165949	IFI27	interferon alpha inducible protein 27 [Source:HGNC Symbol;Acc:HGNC:5397]	protein coding	1.2770	3.5824	12.4694	0.0004	0.0037
ENSG00000163694	RBM47	RNA binding motif protein 47 [Source:HGNC Symbol;Acc:HGNC:30358]	protein coding	1.2765	4.6995	46.4753	<0.0001	<0.0001
ENSG00000211745	TRBV4-2	T cell receptor beta variable 4-2 [Source:HGNC Symbol;Acc:HGNC:12216]	TR V gene	-1.2760	2.9248	22.0134	<0.0001	<0.0001
ENSG00000123444	KBTBD4	kelch repeat and BTB domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23761]	protein coding	-1.2758	3.0078	13.6478	0.0002	0.0023
ENSG00000129450	SIGLEC9	sialic acid binding Ig like lectin 9 [Source:HGNC Symbol;Acc:HGNC:10878]	protein coding	1.2698	4.9992	56.2419	<0.0001	<0.0001
ENSG00000186818	LILRB4	leukocyte immunoglobulin like receptor B4 [Source:HGNC Symbol;Acc:HGNC:6608]	protein coding	1.2655	5.8062	56.4135	<0.0001	<0.0001
ENSG00000147454	SLC25A37	solute carrier family 25 member 37 [Source:HGNC Symbol;Acc:HGNC:29786]	protein coding	1.2636	7.9815	65.4346	<0.0001	<0.0001
ENSG00000241666		novel transcript	lncRNA	1.2622	2.8580	12.8403	0.0003	0.0032
ENSG00000008441	NFIX	nuclear factor I X [Source:HGNC Symbol;Acc:HGNC:7788]	protein coding	1.2609	4.6687	37.6207	<0.0001	<0.0001
ENSG00000143382	ADAMTSL4	ADAMTS like 4 [Source:HGNC Symbol;Acc:HGNC:19706]	protein coding	1.2603	4.1267	47.4982	<0.0001	<0.0001
ENSG00000162694	EXTL2	exostosin like glycosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:3516]	protein coding	-1.2584	1.9489	11.6235	0.0007	0.0052
ENSG00000244153	WWP1P1	WW domain containing E3 ubiquitin protein ligase 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:48944]	processed pseudo-gene	-1.2572	2.1488	19.6006	<0.0001	0.0002
ENSG00000211799	TRAV19	T cell receptor alpha variable 19 [Source:HGNC Symbol;Acc:HGNC:12115]	TR V gene	-1.2492	2.9741	20.1986	<0.0001	0.0002
ENSG00000091106	NLRC4	NLR family CARD domain containing 4 [Source:HGNC Symbol;Acc:HGNC:16412]	protein coding	1.2465	4.4424	55.7193	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211793	TRAV9-2	T cell receptor alpha variable 9-2 [Source:HGNC Symbol;Acc:HGNC:12154]	TR V gene	-1.2428	2.8034	19.2036	<0.0001	0.0002
ENSG00000213876	RPL7AP64	ribosomal protein L7a pseudogene 64 [Source:HGNC Symbol;Acc:HGNC:35821]	processed pseudo-gene	1.2352	3.6702	17.0374	<0.0001	0.0006
ENSG00000225783	MIAT	myocardial infarction associated transcript [Source:HGNC Symbol;Acc:HGNC:33425]	lncRNA	1.2325	2.7393	12.8099	0.0003	0.0032
ENSG00000267541	MTCO2P2	MT-CO2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:25354]	processed pseudo-gene	-1.2213	2.8620	9.6030	0.0019	0.012
ENSG00000168461	RAB31	RAB31, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9771]	protein coding	1.2180	6.4794	41.2085	<0.0001	<0.0001
ENSG00000235613	NSRP1P1	nuclear speckle splicing regulatory protein 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:38087]	processed pseudo-gene	1.2168	2.6383	16.3400	<0.0001	0.0008
ENSG00000246451		novel transcript, antisense to KLC1	lncRNA	1.2166	1.4646	8.5024	0.0035	0.0186
ENSG00000279738		novel transcript, sense overlapping to EIF3L	lncRNA	1.2154	1.6034	20.4952	<0.0001	0.0001
ENSG00000164403	SHROOM1	shroom family member 1 [Source:HGNC Symbol;Acc:HGNC:24084]	protein coding	1.2145	2.4475	23.9231	<0.0001	<0.0001
ENSG00000079308	TNS1	tensin 1 [Source:HGNC Symbol;Acc:HGNC:11973]	protein coding	1.2138	5.2156	80.1723	<0.0001	<0.0001
ENSG00000173110	HSPA6	heat shock protein family A (Hsp70) member 6 [Source:HGNC Symbol;Acc:HGNC:5239]	protein coding	1.2110	4.3493	57.6271	<0.0001	<0.0001
ENSG00000279789		novel transcript, sense intronic to KCTD13	TEC	1.2081	1.7187	11.0768	0.0009	0.0065
ENSG00000186407	CD300E	CD300e molecule [Source:HGNC Symbol;Acc:HGNC:28874]	protein coding	1.2054	7.3708	30.5027	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000105610	KLF1	Kruppel like factor 1 [Source:HGNC Symbol;Acc:HGNC:6345]	protein coding	1.2047	2.8632	12.7009	0.0004	0.0034
ENSG00000225855	RUSC1-AS1	RUSC1 antisense 1 [Source:HGNC Symbol;Acc:HGNC:26680]	lncRNA	1.2010	1.6022	8.5753	0.0034	0.0181
ENSG00000101236	RNF24	ring finger protein 24 [Source:HGNC Symbol;Acc:HGNC:13779]	protein coding	1.1999	5.7847	39.8676	<0.0001	<0.0001
ENSG00000168778	TCTN2	tectonic family member 2 [Source:HGNC Symbol;Acc:HGNC:25774]	protein coding	-1.1953	1.3982	11.5345	0.0007	0.0054
ENSG00000090013	BLVRB	biliverdin reductase B [Source:HGNC Symbol;Acc:HGNC:1063]	protein coding	1.1934	6.5122	71.4724	<0.0001	<0.0001
ENSG00000211937	IGHV2-5	immunoglobulin heavy variable 2-5 [Source:HGNC Symbol;Acc:HGNC:5576]	IG V gene	-1.1930	3.1921	8.6443	0.0033	0.0177
ENSG00000162882	HAAO	3-hydroxyanthranilate 3,4-dioxygenase [Source:HGNC Symbol;Acc:HGNC:4796]	protein coding	1.1922	1.4765	9.8780	0.0017	0.0106
ENSG00000136630	HLX	H2.0 like homeobox [Source:HGNC Symbol;Acc:HGNC:4978]	protein coding	1.1868	1.9429	15.1880	<0.0001	0.0013
ENSG00000211794	TRAV12-3	T cell receptor alpha variable 12-3 [Source:HGNC Symbol;Acc:HGNC:12107]	TR V gene	-1.1866	2.6135	22.3746	<0.0001	<0.0001
ENSG00000206177	HBM	hemoglobin subunit mu [Source:HGNC Symbol;Acc:HGNC:4826]	protein coding	1.1865	5.2346	45.2785	<0.0001	<0.0001
ENSG00000168528	SERINC2	serine incorporator 2 [Source:HGNC Symbol;Acc:HGNC:23231]	protein coding	1.1858	2.2731	22.3062	<0.0001	<0.0001
ENSG00000211699	TRGV3	T cell receptor gamma variable 3 [Source:HGNC Symbol;Acc:HGNC:12288]	TR V gene	-1.1846	2.5423	7.7847	0.0053	0.0251
ENSG00000204103	MAFB	MAF bZIP transcription factor B [Source:HGNC Symbol;Acc:HGNC:6408]	protein coding	1.1835	6.2656	33.6751	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000267519		novel transcript	lncRNA	1.1818	3.0637	12.5816	0.0004	0.0035
ENSG00000182885	ADGRG3	adhesion G protein-coupled receptor G3 [Source:HGNC Symbol;Acc:HGNC:13728]	protein coding	1.1814	2.0811	17.5213	<0.0001	0.0005
ENSG00000069399	BCL3	BCL3 transcription coactivator [Source:HGNC Symbol;Acc:HGNC:998]	protein coding	1.1791	5.6965	65.2564	<0.0001	<0.0001
ENSG00000099337	KCNK6	potassium two pore domain channel subfamily K member 6 [Source:HGNC Symbol;Acc:HGNC:6281]	protein coding	1.1783	6.2123	26.6460	<0.0001	<0.0001
ENSG00000070018	LRP6	LDL receptor related protein 6 [Source:HGNC Symbol;Acc:HGNC:6698]	protein coding	-1.1772	2.1414	12.9723	0.0003	0.003
ENSG00000276953	TRBV12-4	T cell receptor beta variable 12-4 [Source:HGNC Symbol;Acc:HGNC:12186]	TR V gene	-1.1769	3.1133	28.7640	<0.0001	<0.0001
ENSG00000283063	TRBV6-2	T cell receptor beta variable 6-2 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:12227]	TR V gene	-1.1757	2.7481	18.6251	<0.0001	0.0003
ENSG00000118200	CAMSAP2	calmodulin regulated spectrin associated protein family member 2 [Source:HGNC Symbol;Acc:HGNC:29188]	protein coding	-1.1751	2.1082	15.7475	<0.0001	0.001
ENSG00000184613	NELL2	neural EGFL like 2 [Source:HGNC Symbol;Acc:HGNC:7751]	protein coding	-1.1744	5.7688	35.0625	<0.0001	<0.0001
ENSG00000165244	ZNF367	zinc finger protein 367 [Source:HGNC Symbol;Acc:HGNC:18320]	protein coding	-1.1706	2.1663	9.9016	0.0017	0.0105
ENSG00000240057		novel transcript	lncRNA	-1.1686	1.3306	12.0236	0.0005	0.0044
ENSG00000211787	TRAV8-3	T cell receptor alpha variable 8-3 [Source:HGNC Symbol;Acc:HGNC:12148]	TR V gene	-1.1662	3.7256	23.3222	<0.0001	<0.0001
ENSG00000130300	PLVAP	plasmalemma vesicle associated protein [Source:HGNC Symbol;Acc:HGNC:13635]	protein coding	1.1642	2.1752	13.7116	0.0002	0.0023

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000165886	UBTD1	ubiquitin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25683]	protein coding	1.1640	2.4891	28.6104	<0.0001	<0.0001
ENSG00000145335	SNCA	synuclein alpha [Source:HGNC Symbol;Acc:HGNC:11138]	protein coding	1.1639	4.9632	38.6114	<0.0001	<0.0001
ENSG00000121297	TSHZ3	teashirt zinc finger homeobox 3 [Source:HGNC Symbol;Acc:HGNC:30700]	protein coding	1.1637	2.4035	21.1239	<0.0001	0.0001
ENSG00000185745	IFIT1	interferon induced with tetratricopeptide repeats 1 [Source:HGNC Symbol;Acc:HGNC:5407]	protein coding	1.1634	5.1634	13.6032	0.0002	0.0023
ENSG00000120885	CLU	clusterin [Source:HGNC Symbol;Acc:HGNC:2095]	protein coding	1.1629	6.8400	50.5209	<0.0001	<0.0001
ENSG00000100300	TSPO	translocator [Source:HGNC Symbol;Acc:HGNC:1158]	protein coding	1.1571	6.2416	77.1955	<0.0001	<0.0001
ENSG00000245532	NEAT1	nuclear paraspeckle assembly transcript 1 [Source:HGNC Symbol;Acc:HGNC:30815]	lncRNA	1.1570	9.1463	24.6045	<0.0001	<0.0001
ENSG00000187608	ISG15	ISG15 ubiquitin like modifier [Source:HGNC Symbol;Acc:HGNC:4053]	protein coding	1.1569	7.2058	26.3379	<0.0001	<0.0001
ENSG00000254860	TMEM9B-AS1	TMEM9B antisense 1 [Source:HGNC Symbol;Acc:HGNC:19230]	lncRNA	1.1531	1.6355	6.3119	0.012	0.0459
ENSG00000211951	IGHV2-26	immunoglobulin heavy variable 2-26 [Source:HGNC Symbol;Acc:HGNC:5575]	IG V gene	-1.1529	2.0930	9.5333	0.002	0.0123
ENSG00000142405	NLRP12	NLR family pyrin domain containing 12 [Source:HGNC Symbol;Acc:HGNC:22938]	protein coding	1.1504	4.6207	44.1287	<0.0001	<0.0001
ENSG00000085265	FCN1	ficolin 1 [Source:HGNC Symbol;Acc:HGNC:3623]	protein coding	1.1473	9.5496	48.4129	<0.0001	<0.0001
ENSG00000136026	CKAP4	cytoskeleton associated protein 4 [Source:HGNC Symbol;Acc:HGNC:16991]	protein coding	1.1468	5.9354	34.6396	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211670	IGLV3-9	immunoglobulin lambda variable 3-9 (gene/pseudo-gene) [Source:HGNC Symbol;Acc:HGNC:5918]	IG V gene	-1.1460	1.9339	9.2881	0.0023	0.0136
ENSG00000211769	TRBJ2-5	T cell receptor beta joining 2-5 [Source:HGNC Symbol;Acc:HGNC:12173]	TR J gene	-1.1445	1.4967	14.2942	0.0002	0.0018
ENSG00000189057	FAM111B	family with sequence similarity 111 member B [Source:HGNC Symbol;Acc:HGNC:24200]	protein coding	-1.1443	2.8493	7.5972	0.0058	0.0269
ENSG00000131042	LILRB2	leukocyte immunoglobulin like receptor B2 [Source:HGNC Symbol;Acc:HGNC:6606]	protein coding	1.1399	7.1403	62.8415	<0.0001	<0.0001
ENSG00000244879	GABPB1-AS1	GABPB1 antisense 1 [Source:HGNC Symbol;Acc:HGNC:44157]	lncRNA	1.1322	5.8120	17.5588	<0.0001	0.0005
ENSG00000162512	SDC3	syndecan 3 [Source:HGNC Symbol;Acc:HGNC:10660]	protein coding	1.1314	2.5863	9.2927	0.0023	0.0136
ENSG00000158856	DMTN	dematin actin binding protein [Source:HGNC Symbol;Acc:HGNC:3382]	protein coding	1.1307	7.4554	34.2434	<0.0001	<0.0001
ENSG00000211776	TRAV2	T cell receptor alpha variable 2 [Source:HGNC Symbol;Acc:HGNC:12116]	TR V gene	-1.1303	2.5051	15.6367	<0.0001	0.001
ENSG00000231721	LINC-PINT	long intergenic non-protein coding RNA, p53 induced transcript [Source:HGNC Symbol;Acc:HGNC:26885]	lncRNA	1.1299	3.4782	16.5047	<0.0001	0.0007
ENSG00000180530	NRIP1	nuclear receptor interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:8001]	protein coding	-1.1283	4.0846	23.6867	<0.0001	<0.0001
ENSG00000250510	GPR162	G protein-coupled receptor 162 [Source:HGNC Symbol;Acc:HGNC:16693]	protein coding	1.1275	3.5178	42.6933	<0.0001	<0.0001
ENSG00000219201		novel pseudogene	processed pseudo-gene	-1.1265	2.9578	15.6085	<0.0001	0.0011

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000126709	IFI6	interferon alpha inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	protein coding	1.1230	7.1299	19.4575	<0.0001	0.0002
ENSG00000161677	JOSD2	Josephin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28853]	protein coding	1.1217	3.5686	17.9542	<0.0001	0.0004
ENSG00000189042	ZNF567	zinc finger protein 567 [Source:HGNC Symbol;Acc:HGNC:28696]	protein coding	-1.1199	2.9267	8.2082	0.0042	0.0211
ENSG00000185920	PTCH1	patched 1 [Source:HGNC Symbol;Acc:HGNC:9585]	protein coding	-1.1184	3.1728	11.1600	0.0008	0.0063
ENSG00000158966	CACHD1	cache domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29314]	protein coding	-1.1181	3.1027	16.7926	<0.0001	0.0007
ENSG00000138336	TET1	tet methylcytosine dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:29484]	protein coding	-1.1177	2.2832	7.2646	0.007	0.0309
ENSG00000175591	P2RY2	purinergic receptor P2Y2 [Source:HGNC Symbol;Acc:HGNC:8541]	protein coding	1.1166	1.5627	13.1427	0.0003	0.0028
ENSG00000204839	MROH6	maestro heat like repeat family member 6 [Source:HGNC Symbol;Acc:HGNC:27814]	protein coding	1.1148	2.6937	16.5099	<0.0001	0.0007
ENSG00000211784	TRAV10	T cell receptor alpha variable 10 [Source:HGNC Symbol;Acc:HGNC:12103]	TR V gene	-1.1142	1.6903	13.0453	0.0003	0.0029
ENSG00000189068	VSTM1	V-set and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29455]	protein coding	1.1142	3.5569	33.5934	<0.0001	<0.0001
ENSG00000163606	CD200R1	CD200 receptor 1 [Source:HGNC Symbol;Acc:HGNC:24235]	protein coding	-1.1115	3.4926	24.9928	<0.0001	<0.0001
ENSG00000129480	DTD2	D-aminoacyl-tRNA deacylase 2 [Source:HGNC Symbol;Acc:HGNC:20277]	protein coding	-1.1112	1.5679	9.7981	0.0017	0.011
ENSG00000198554	WDHD1	WD repeat and HMG-box DNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:23170]	protein coding	-1.1098	1.6428	9.0935	0.0026	0.0146

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000166825	ANPEP	alanyl aminopeptidase, membrane [Source:HGNC Symbol;Acc:HGNC:500]	protein coding	1.1092	6.4645	39.1175	<0.0001	<0.0001
ENSG00000138646	HERC5	HECT and RLD domain containing E3 ubiquitin protein ligase 5 [Source:HGNC Symbol;Acc:HGNC:24368]	protein coding	1.1091	3.6502	18.8171	<0.0001	0.0003
ENSG00000286545		novel transcript, antisense to ZC3H8	lncRNA	1.1090	1.1360	16.2311	<0.0001	0.0008
ENSG00000004700	RECQL	RecQ like helicase [Source:HGNC Symbol;Acc:HGNC:9948]	protein coding	-1.1089	3.9946	15.8731	<0.0001	0.0009
ENSG00000101213	PTK6	protein tyrosine kinase 6 [Source:HGNC Symbol;Acc:HGNC:9617]	protein coding	1.1087	1.6502	11.2228	0.0008	0.0061
ENSG00000224397	SMIM25	small integral membrane protein 25 [Source:HGNC Symbol;Acc:HGNC:50328]	lncRNA	1.1074	5.9151	51.0559	<0.0001	<0.0001
ENSG00000248019	FAM13A-AS1	FAM13A antisense 1 [Source:HGNC Symbol;Acc:HGNC:19370]	lncRNA	1.1061	2.6373	16.1898	<0.0001	0.0008
ENSG00000211695	TRGV9	T cell receptor gamma variable 9 [Source:HGNC Symbol;Acc:HGNC:12295]	TR V gene	-1.1055	2.6841	6.9803	0.0082	0.0349
ENSG00000150687	PRSS23	serine protease 23 [Source:HGNC Symbol;Acc:HGNC:14370]	protein coding	-1.1043	3.4217	16.3472	<0.0001	0.0008
ENSG00000196345	ZKSCAN7	zinc finger with KRAB and SCAN domains 7 [Source:HGNC Symbol;Acc:HGNC:12955]	protein coding	-1.1043	2.2242	7.6778	0.0056	0.0261
ENSG00000136842	TMOD1	tropomodulin 1 [Source:HGNC Symbol;Acc:HGNC:11871]	protein coding	1.1028	3.5806	25.7638	<0.0001	<0.0001
ENSG00000181029	TRAPPC5	trafficking protein particle complex 5 [Source:HGNC Symbol;Acc:HGNC:23067]	protein coding	1.1026	1.8715	19.6050	<0.0001	0.0002
ENSG00000211804	TRDV1	T cell receptor delta variable 1 [Source:HGNC Symbol;Acc:HGNC:12262]	TR V gene	-1.0969	2.9384	17.1656	<0.0001	0.0006

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000213934	HBG1	hemoglobin subunit gamma 1 [Source:HGNC Symbol;Acc:HGNC:4831]	protein coding	1.0967	6.6075	49.4306	<0.0001	<0.0001
ENSG00000101665	SMAD7	SMAD family member 7 [Source:HGNC Symbol;Acc:HGNC:6773]	protein coding	-1.0961	3.6730	10.4653	0.0012	0.0083
ENSG00000128791	TWSG1	twisted gastrulation BMP signaling modulator 1 [Source:HGNC Symbol;Acc:HGNC:12429]	protein coding	-1.0955	2.0212	7.2303	0.0072	0.0313
ENSG00000165682	CLEC1B	C-type lectin domain family 1 member B [Source:HGNC Symbol;Acc:HGNC:24356]	protein coding	1.0923	2.7051	14.7279	0.0001	0.0015
ENSG00000151414	NEK7	NIMA related kinase 7 [Source:HGNC Symbol;Acc:HGNC:13386]	protein coding	-1.0897	4.8546	14.8925	0.0001	0.0014
ENSG00000143333	RGS16	regulator of G protein signaling 16 [Source:HGNC Symbol;Acc:HGNC:9997]	protein coding	1.0889	1.2637	10.9638	0.0009	0.0068
ENSG00000223609	HBD	hemoglobin subunit delta [Source:HGNC Symbol;Acc:HGNC:4829]	protein coding	1.0886	6.7478	56.1885	<0.0001	<0.0001
ENSG00000100292	HMOX1	heme oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:5013]	protein coding	1.0884	6.0721	48.7937	<0.0001	<0.0001
ENSG00000137198	GMPR	guanosine monophosphate reductase [Source:HGNC Symbol;Acc:HGNC:4376]	protein coding	1.0882	4.5412	31.7249	<0.0001	<0.0001
ENSG00000226688	ENTPD1-AS1	ENTPD1 antisense 1 [Source:HGNC Symbol;Acc:HGNC:45203]	lncRNA	1.0867	2.0587	14.6335	0.0001	0.0016
ENSG00000205726	ITSN1	intersectin 1 [Source:HGNC Symbol;Acc:HGNC:6183]	protein coding	1.0864	2.7536	28.2383	<0.0001	<0.0001
ENSG00000136002	ARHGEF4	Rho guanine nucleotide exchange factor 4 [Source:HGNC Symbol;Acc:HGNC:684]	protein coding	-1.0859	2.1998	10.2745	0.0013	0.009
ENSG00000005020	SKAP2	src kinase associated phosphoprotein 2 [Source:HGNC Symbol;Acc:HGNC:15687]	protein coding	1.0859	6.2856	28.6007	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000078237	TIGAR	TP53 induced glycolysis regulatory phosphatase [Source:HGNC Symbol;Acc:HGNC:1185]	protein coding	1.0838	3.4389	20.1331	<0.0001	0.0002
ENSG00000273247		novel transcript, antisense to RAB33B	lncRNA	1.0831	3.3997	15.7316	<0.0001	0.001
ENSG00000173482	PTPRM	protein tyrosine phosphatase receptor type M [Source:HGNC Symbol;Acc:HGNC:9675]	protein coding	-1.0830	2.0959	8.2856	0.004	0.0204
ENSG00000173848	NET1	neuroepithelial cell transforming 1 [Source:HGNC Symbol;Acc:HGNC:14592]	protein coding	-1.0818	4.0895	33.6291	<0.0001	<0.0001
ENSG00000141837	CACNA1A	calcium voltage-gated channel subunit alpha1 A [Source:HGNC Symbol;Acc:HGNC:1388]	protein coding	1.0814	2.9402	11.7365	0.0006	0.0049
ENSG00000143344	RGL1	ral guanine nucleotide dissociation stimulator like 1 [Source:HGNC Symbol;Acc:HGNC:30281]	protein coding	1.0810	2.5559	23.7246	<0.0001	<0.0001
ENSG00000172673	THEMIS	thymocyte selection associated [Source:HGNC Symbol;Acc:HGNC:21569]	protein coding	-1.0809	5.4634	32.0991	<0.0001	<0.0001
ENSG00000120784	ZFP30	ZFP30 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:29555]	protein coding	-1.0809	2.4416	13.7941	0.0002	0.0022
ENSG00000141965	FEM1A	fem-1 homolog A [Source:HGNC Symbol;Acc:HGNC:16934]	protein coding	1.0790	2.9129	16.5740	<0.0001	0.0007
ENSG00000173208	ABCD2	ATP binding cassette subfamily D member 2 [Source:HGNC Symbol;Acc:HGNC:66]	protein coding	-1.0781	3.5042	23.7520	<0.0001	<0.0001
ENSG00000008394	MGST1	microsomal glutathione S-transferase 1 [Source:HGNC Symbol;Acc:HGNC:7061]	protein coding	1.0777	2.7196	26.1892	<0.0001	<0.0001
ENSG00000197063	MAFG	MAF bZIP transcription factor G [Source:HGNC Symbol;Acc:HGNC:6781]	protein coding	1.0775	4.7140	28.7510	<0.0001	<0.0001
ENSG00000211727	TRBV7-6	T cell receptor beta variable 7-6 [Source:HGNC Symbol;Acc:HGNC:12240]	TR V gene	-1.0762	2.6304	10.0936	0.0015	0.0097

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000187790	FANCM	FA complementation group M [Source:HGNC Symbol;Acc:HGNC:23168]	protein coding	-1.0750	2.4210	6.7782	0.0092	0.0379
ENSG00000211706	TRBV6-1	T cell receptor beta variable 6-1 [Source:HGNC Symbol;Acc:HGNC:12226]	TR V gene	-1.0714	3.3356	27.7323	<0.0001	<0.0001
ENSG00000109452	INPP4B	inositol polyphosphate-4-phosphatase type II B [Source:HGNC Symbol;Acc:HGNC:6075]	protein coding	-1.0713	4.7044	24.7792	<0.0001	<0.0001
ENSG00000169871	TRIM56	tripartite motif containing 56 [Source:HGNC Symbol;Acc:HGNC:19028]	protein coding	1.0671	7.5459	20.1330	<0.0001	0.0002
ENSG00000178623	GPR35	G protein-coupled receptor 35 [Source:HGNC Symbol;Acc:HGNC:4492]	protein coding	1.0661	3.2880	28.9132	<0.0001	<0.0001
ENSG00000229056	HECW2-AS1	HECW2 antisense 1 [Source:HGNC Symbol;Acc:HGNC:54062]	lncRNA	-1.0649	2.8468	12.1097	0.0005	0.0043
ENSG00000164659	KIAA1324L	KIAA1324 like [Source:HGNC Symbol;Acc:HGNC:21945]	protein coding	-1.0649	2.5336	8.6747	0.0032	0.0174
ENSG00000244734	HBB	hemoglobin subunit beta [Source:HGNC Symbol;Acc:HGNC:4827]	protein coding	1.0648	13.4082	39.7077	<0.0001	<0.0001
ENSG00000261098		novel transcript	lncRNA	1.0614	1.3568	6.8090	0.0091	0.0374
ENSG00000176928	GCNT4	glucosaminyl (N-acetyl) transferase 4 [Source:HGNC Symbol;Acc:HGNC:17973]	protein coding	-1.0600	3.6397	18.0142	<0.0001	0.0004
ENSG00000136158	SPRY2	sprouty RTK signaling antagonist 2 [Source:HGNC Symbol;Acc:HGNC:11270]	protein coding	-1.0594	2.0402	14.8487	0.0001	0.0014
ENSG00000114853	ZBTB47	zinc finger and BTB domain containing 47 [Source:HGNC Symbol;Acc:HGNC:26955]	protein coding	1.0584	1.8764	22.0132	<0.0001	<0.0001
ENSG00000198734	F5	coagulation factor V [Source:HGNC Symbol;Acc:HGNC:3542]	protein coding	1.0584	3.5056	21.2591	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000146414	SHPRH	SNF2 histone linker PHD RING helicase [Source:HGNC Symbol;Acc:HGNC:19336]	protein coding	-1.0577	2.9702	9.5598	0.002	0.0122
ENSG00000156162	DPY19L4	dpy-19 like 4 [Source:HGNC Symbol;Acc:HGNC:27829]	protein coding	-1.0565	2.1455	6.8567	0.0088	0.0367
ENSG00000139626	ITGB7	integrin subunit beta 7 [Source:HGNC Symbol;Acc:HGNC:6162]	protein coding	-1.0543	5.2356	11.4850	0.0007	0.0055
ENSG00000114315	HES1	hes family bHLH transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:5192]	protein coding	1.0541	1.5531	12.5173	0.0004	0.0036
ENSG00000260852	FBXL19-AS1	FBXL19 antisense 1 [Source:HGNC Symbol;Acc:HGNC:27557]	lncRNA	1.0535	2.4010	14.0688	0.0002	0.002
ENSG00000165821	SALL2	spalt like transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:10526]	protein coding	-1.0507	2.7798	6.4383	0.0112	0.0435
ENSG00000075399	VPS9D1	VPS9 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:13526]	protein coding	1.0499	4.1567	34.1427	<0.0001	<0.0001
ENSG00000134146	DPH6	diphthamine biosynthesis 6 [Source:HGNC Symbol;Acc:HGNC:30543]	protein coding	-1.0492	2.2298	21.7405	<0.0001	<0.0001
ENSG00000136830	NIBAN2	niban apoptosis regulator 2 [Source:HGNC Symbol;Acc:HGNC:25282]	protein coding	1.0485	4.7444	38.8521	<0.0001	<0.0001
ENSG00000235568	NFAM1	NFAT activating protein with ITAM motif 1 [Source:HGNC Symbol;Acc:HGNC:29872]	protein coding	1.0481	6.7256	48.5395	<0.0001	<0.0001
ENSG00000171552	BCL2L1	BCL2 like 1 [Source:HGNC Symbol;Acc:HGNC:992]	protein coding	1.0457	6.9815	34.8746	<0.0001	<0.0001
ENSG00000211747	TRBV20-1	T cell receptor beta variable 20-1 [Source:HGNC Symbol;Acc:HGNC:12196]	TR V gene	-1.0443	4.2444	38.7566	<0.0001	<0.0001
ENSG00000106565	TMEM176B	transmembrane 176B [Source:HGNC Symbol;Acc:HGNC:29596]	protein coding	1.0438	6.3347	41.7802	<0.0001	<0.0001
ENSG00000239839	DEFA3	defensin alpha 3 [Source:HGNC Symbol;Acc:HGNC:2762]	protein coding	-1.0438	3.1417	23.1681	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211792	TRAV14DV4	T cell receptor alpha variable 14/delta variable 4 [Source:HGNC Symbol;Acc:HGNC:12110]	TR V gene	-1.0437	3.2100	10.2725	0.0014	0.009
ENSG00000103479	RBL2	RB transcriptional corepressor like 2 [Source:HGNC Symbol;Acc:HGNC:9894]	protein coding	-1.0425	7.6121	22.5650	<0.0001	<0.0001
ENSG00000198736	MSRB1	methionine sulfoxide reductase B1 [Source:HGNC Symbol;Acc:HGNC:14133]	protein coding	1.0411	6.3668	26.5980	<0.0001	<0.0001
ENSG00000139160	ETFBKMT	electron transfer flavoprotein subunit beta lysine methyltransferase [Source:HGNC Symbol;Acc:HGNC:28739]	protein coding	1.0409	1.9009	14.1282	0.0002	0.0019
ENSG00000173535	TNFRSF10C	TNF receptor superfamily member 10c [Source:HGNC Symbol;Acc:HGNC:11906]	protein coding	1.0408	1.7732	12.7910	0.0003	0.0033
ENSG00000078124	ACER3	alkaline ceramidase 3 [Source:HGNC Symbol;Acc:HGNC:16066]	protein coding	1.0406	5.1974	21.2929	<0.0001	<0.0001
ENSG00000087589	CASS4	Cas scaffold protein family member 4 [Source:HGNC Symbol;Acc:HGNC:15878]	protein coding	-1.0403	3.0880	21.4565	<0.0001	<0.0001
ENSG00000163291	PAQR3	progesterone and adipoQ receptor family member 3 [Source:HGNC Symbol;Acc:HGNC:30130]	protein coding	-1.0401	2.2391	12.9531	0.0003	0.003
ENSG00000229932	YWHAZP3	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta pseudo-gene 3 [Source:HGNC Symbol;Acc:HGNC:31101]	processed pseudo-gene	-1.0372	3.3227	15.0296	0.0001	0.0013
ENSG00000233846	SELENOTP1	selenoprotein T pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:53722]	processed pseudo-gene	-1.0368	1.9797	9.0038	0.0027	0.0152
ENSG00000259000	DOCK11P1	dedicator of cytokinesis 11 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:31719]	processed pseudo-gene	-1.0363	2.3735	13.3122	0.0003	0.0026

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000103196	CRISPLD2	cysteine rich secretory protein LCCL domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25248]	protein coding	1.0361	3.3712	26.9855	<0.0001	<0.0001
ENSG00000116983	HPCAL4	hippocalcin like 4 [Source:HGNC Symbol;Acc:HGNC:18212]	protein coding	-1.0356	2.3068	18.6129	<0.0001	0.0003
ENSG00000141574	SECTM1	secreted and transmembrane 1 [Source:HGNC Symbol;Acc:HGNC:10707]	protein coding	1.0351	6.1463	33.4036	<0.0001	<0.0001
ENSG00000095951	HIVEP1	HIVEP zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:4920]	protein coding	-1.0348	5.0505	11.7943	0.0006	0.0048
ENSG00000185760	KCNQ5	potassium voltage-gated channel subfamily Q member 5 [Source:HGNC Symbol;Acc:HGNC:6299]	protein coding	-1.0321	2.4175	14.8751	0.0001	0.0014
ENSG00000060558	GNA15	G protein subunit alpha 15 [Source:HGNC Symbol;Acc:HGNC:4383]	protein coding	1.0308	4.3298	28.5078	<0.0001	<0.0001
ENSG00000260236		novel transcript, antisense to PTPN23	lncRNA	1.0303	1.7561	10.0291	0.0015	0.01
ENSG00000237254	TRBV30	T cell receptor beta variable 30 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:12214]	TR V gene	-1.0283	2.8450	21.5299	<0.0001	<0.0001
ENSG00000212907	MT-ND4L	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 4L [Source:HGNC Symbol;Acc:HGNC:7460]	protein coding	-1.0275	9.9261	29.5265	<0.0001	<0.0001
ENSG00000224086	PPM1F-AS1	PPM1F antisense 1 [Source:HGNC Symbol;Acc:HGNC:40888]	lncRNA	1.0273	2.4729	10.2184	0.0014	0.0092
ENSG00000171777	RASGRP4	RAS guanyl releasing protein 4 [Source:HGNC Symbol;Acc:HGNC:18958]	protein coding	1.0268	5.5415	57.2075	<0.0001	<0.0001
ENSG00000151835	SACS	sacsin molecular chaperone [Source:HGNC Symbol;Acc:HGNC:10519]	protein coding	-1.0264	4.1811	6.8568	0.0088	0.0367

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000113916	BCL6	BCL6 transcription repressor [Source:HGNC Symbol;Acc:HGNC:1001]	protein coding	1.0251	5.8004	62.1136	<0.0001	<0.0001
ENSG00000240891	PLCXD2	phosphatidylinositol specific phospholipase C X domain containing 2 [Source:HGNC Symbol;Acc:HGNC:26462]	protein coding	-1.0250	3.7490	10.2838	0.0013	0.009
ENSG00000172292	CERS6	ceramide synthase 6 [Source:HGNC Symbol;Acc:HGNC:23826]	protein coding	-1.0246	3.6113	16.2562	<0.0001	0.0008
ENSG00000028277	POU2F2	POU class 2 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:9213]	protein coding	1.0241	8.6123	20.5949	<0.0001	0.0001
ENSG00000172728	FUT10	fucosyltransferase 10 [Source:HGNC Symbol;Acc:HGNC:19234]	protein coding	-1.0218	1.9965	7.7266	0.0054	0.0257
ENSG00000184792	OSBP2	oxysterol binding protein 2 [Source:HGNC Symbol;Acc:HGNC:8504]	protein coding	1.0217	5.1963	33.1559	<0.0001	<0.0001
ENSG00000164039	BDH2	3-hydroxybutyrate dehydrogenase 2 [Source:HGNC Symbol;Acc:HGNC:32389]	protein coding	-1.0189	2.5013	8.4707	0.0036	0.0189
ENSG00000211820	TRAV41	T cell receptor alpha variable 41 [Source:HGNC Symbol;Acc:HGNC:12142]	TR V gene	-1.0185	1.9052	9.7593	0.0018	0.0111
ENSG00000158691	ZSCAN12	zinc finger and SCAN domain containing 12 [Source:HGNC Symbol;Acc:HGNC:13172]	protein coding	-1.0183	3.5207	14.9264	0.0001	0.0014
ENSG00000101336	HCK	HCK proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:4840]	protein coding	1.0176	7.3064	52.3534	<0.0001	<0.0001
ENSG00000002933	TMEM176A	transmembrane protein 176A [Source:HGNC Symbol;Acc:HGNC:24930]	protein coding	1.0169	5.5376	39.5788	<0.0001	<0.0001
ENSG00000122707	RECK	reversion inducing cysteine rich protein with kazal motifs [Source:HGNC Symbol;Acc:HGNC:11345]	protein coding	-1.0168	3.2825	12.5426	0.0004	0.0036

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000171860	C3AR1	complement C3a receptor 1 [Source:HGNC Symbol;Acc:HGNC:1319]	protein coding	1.0151	5.1468	25.2919	<0.0001	<0.0001
ENSG00000170485	NPAS2	neuronal PAS domain protein 2 [Source:HGNC Symbol;Acc:HGNC:7895]	protein coding	-1.0118	2.5180	6.3579	0.0117	0.045
ENSG00000163359	COL6A3	collagen type VI alpha 3 chain [Source:HGNC Symbol;Acc:HGNC:2213]	protein coding	-1.0116	3.0326	10.1838	0.0014	0.0094
ENSG00000099985	OSM	oncostatin M [Source:HGNC Symbol;Acc:HGNC:8506]	protein coding	1.0115	1.4642	16.6446	<0.0001	0.0007
ENSG00000174171		novel transcript, antisense to SPTBN5	lncRNA	-1.0111	2.2009	7.3035	0.0069	0.0304
ENSG00000185507	IRF7	interferon regulatory factor 7 [Source:HGNC Symbol;Acc:HGNC:6122]	protein coding	1.0104	6.7821	28.5679	<0.0001	<0.0001
ENSG00000143226	FCGR2A	Fc fragment of IgG receptor IIa [Source:HGNC Symbol;Acc:HGNC:3616]	protein coding	1.0100	5.9835	34.6350	<0.0001	<0.0001
ENSG00000213809	KLRK1	killer cell lectin like receptor K1 [Source:HGNC Symbol;Acc:HGNC:18788]	protein coding	-1.0090	2.5948	10.5360	0.0012	0.0081
ENSG00000135404	CD63	CD63 molecule [Source:HGNC Symbol;Acc:HGNC:1692]	protein coding	1.0089	6.8814	49.2723	<0.0001	<0.0001
ENSG00000146918	NCAPG2	non-SMC condensin II complex subunit G2 [Source:HGNC Symbol;Acc:HGNC:21904]	protein coding	-1.0084	3.1528	7.4384	0.0064	0.0287
ENSG00000187796	CARD9	caspase recruitment domain family member 9 [Source:HGNC Symbol;Acc:HGNC:16391]	protein coding	1.0083	3.8949	35.5900	<0.0001	<0.0001
ENSG00000274752	TRBV12-3	T cell receptor beta variable 12-3 [Source:HGNC Symbol;Acc:HGNC:12185]	TR V gene	-1.0066	3.0492	19.9153	<0.0001	0.0002
ENSG00000177272	KCNA3	potassium voltage-gated channel subfamily A member 3 [Source:HGNC Symbol;Acc:HGNC:6221]	protein coding	-1.0065	4.2272	26.6538	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000176105	YES1	YES proto-oncogene 1, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:12841]	protein coding	-1.0065	2.3088	12.8899	0.0003	0.0031
ENSG00000211780	TRAV6	T cell receptor alpha variable 6 [Source:HGNC Symbol;Acc:HGNC:12144]	TR V gene	-1.0060	1.5185	11.7416	0.0006	0.0049
ENSG00000135960	EDAR	ectodysplasin A receptor [Source:HGNC Symbol;Acc:HGNC:2895]	protein coding	-1.0011	3.3167	21.2248	<0.0001	<0.0001
ENSG00000211710	TRBV4-1	T cell receptor beta variable 4-1 [Source:HGNC Symbol;Acc:HGNC:12215]	TR V gene	-1.0009	3.2305	19.3907	<0.0001	0.0002
ENSG00000248923	MTND5P11	MT-ND5 pseudogene 11 [Source:HGNC Symbol;Acc:HGNC:42273]	processed pseudo-gene	-1.0006	4.1397	15.2852	<0.0001	0.0012
ENSG00000133246	PRAM1	PML-RARA regulated adaptor molecule 1 [Source:HGNC Symbol;Acc:HGNC:30091]	protein coding	0.9995	6.2497	40.8530	<0.0001	<0.0001
ENSG00000276405	TRBV13	T cell receptor beta variable 13 [Source:HGNC Symbol;Acc:HGNC:12188]	TR V gene	-0.9994	2.0307	9.3862	0.0022	0.013
ENSG00000169855	ROBO1	roundabout guidance receptor 1 [Source:HGNC Symbol;Acc:HGNC:10249]	protein coding	-0.9986	2.0979	6.3394	0.0118	0.0454
ENSG00000284690	CD300H	CD300H molecule (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:52292]	polymorphic pseudo-gene	0.9978	3.8884	19.8798	<0.0001	0.0002
ENSG00000150764	DIXDC1	DIX domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23695]	protein coding	-0.9975	1.6856	9.0839	0.0026	0.0147
ENSG00000204054	LINC00963	long intergenic non-protein coding RNA 963 [Source:HGNC Symbol;Acc:HGNC:48716]	lncRNA	0.9963	4.5847	20.3682	<0.0001	0.0001
ENSG00000173727		Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (FAU) pseudo-gene	transcribed unprocessed pseudo-gene	0.9960	1.8678	11.7777	0.0006	0.0049

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211817	TRAV38-2DV8	T cell receptor alpha variable 38-2/delta variable 8 [Source:HGNC Symbol;Acc:HGNC:12138]	TR V gene	-0.9959	2.1367	13.7520	0.0002	0.0022
ENSG00000114268	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 [Source:HGNC Symbol;Acc:HGNC:8875]	protein coding	0.9935	4.3555	29.7477	<0.0001	<0.0001
ENSG00000106723	SPIN1	spindlin 1 [Source:HGNC Symbol;Acc:HGNC:11243]	protein coding	-0.9929	4.7385	9.3020	0.0023	0.0135
ENSG00000205559	CHKB-DT	CHKB divergent transcript [Source:HGNC Symbol;Acc:HGNC:40146]	lncRNA	0.9925	1.4518	8.3571	0.0038	0.0198
ENSG00000104974	LILRA1	leukocyte immunoglobulin like receptor A1 [Source:HGNC Symbol;Acc:HGNC:6602]	protein coding	0.9924	6.2170	48.3508	<0.0001	<0.0001
ENSG00000249790		novel transcript	lncRNA	0.9918	3.3006	20.2447	<0.0001	0.0002
ENSG00000214212	C19orf38	chromosome 19 open reading frame 38 [Source:HGNC Symbol;Acc:HGNC:34073]	protein coding	0.9915	6.3039	46.8785	<0.0001	<0.0001
ENSG00000070404	FSTL3	folliculin like 3 [Source:HGNC Symbol;Acc:HGNC:3973]	protein coding	0.9912	2.4495	18.1152	<0.0001	0.0004
ENSG00000052749	RRP12	ribosomal RNA processing 12 homolog [Source:HGNC Symbol;Acc:HGNC:29100]	protein coding	0.9910	5.3735	49.1038	<0.0001	<0.0001
ENSG00000120949	TNFRSF8	TNF receptor superfamily member 8 [Source:HGNC Symbol;Acc:HGNC:11923]	protein coding	0.9900	3.6252	9.5235	0.002	0.0124
ENSG00000179941	BBS10	Bardet-Biedl syndrome 10 [Source:HGNC Symbol;Acc:HGNC:26291]	protein coding	-0.9898	3.0448	11.4999	0.0007	0.0054
ENSG00000111321	LTBR	lymphotoxin beta receptor [Source:HGNC Symbol;Acc:HGNC:6718]	protein coding	0.9891	5.5951	47.2892	<0.0001	<0.0001
ENSG00000104375	STK3	serine/threonine kinase 3 [Source:HGNC Symbol;Acc:HGNC:11406]	protein coding	0.9882	2.0254	15.2695	<0.0001	0.0012

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000119514	GALNT12	polypeptide N-acetylgalactosaminyltransferase 12 [Source:HGNC Symbol;Acc:HGNC:19877]	protein coding	-0.9879	1.9394	8.0683	0.0045	0.0224
ENSG00000115896	PLCL1	phospholipase C like 1 (inactive) [Source:HGNC Symbol;Acc:HGNC:9063]	protein coding	-0.9872	3.1963	22.3947	<0.0001	<0.0001
ENSG00000274576	IGHV2-70	immunoglobulin heavy variable 2-70 [Source:HGNC Symbol;Acc:HGNC:5577]	IG V gene	-0.9872	1.7550	8.6643	0.0032	0.0175
ENSG00000095564	BTAF1	B-TFIID TATA-box binding protein associated factor 1 [Source:HGNC Symbol;Acc:HGNC:17307]	protein coding	-0.9869	5.2474	23.4626	<0.0001	<0.0001
ENSG00000183486	MX2	MX dynamin like 2 [Source:HGNC Symbol;Acc:HGNC:7533]	protein coding	0.9863	7.1809	34.2245	<0.0001	<0.0001
ENSG00000138449	SLC40A1	solute carrier family 40 member 1 [Source:HGNC Symbol;Acc:HGNC:10909]	protein coding	-0.9860	4.9014	33.2053	<0.0001	<0.0001
ENSG00000211790	TRAV8-4	T cell receptor alpha variable 8-4 [Source:HGNC Symbol;Acc:HGNC:12149]	TR V gene	-0.9850	2.6043	13.5440	0.0002	0.0024
ENSG00000274925	ZKSCAN2-DT	ZKSCAN2 divergent transcript [Source:HGNC Symbol;Acc:HGNC:53912]	lncRNA	0.9849	1.3033	9.0038	0.0027	0.0152
ENSG00000106605	BLVRA	biliverdin reductase A [Source:HGNC Symbol;Acc:HGNC:1062]	protein coding	0.9843	4.7510	33.3008	<0.0001	<0.0001
ENSG00000255569	TRAV1-1	T cell receptor alpha variable 1-1 [Source:HGNC Symbol;Acc:HGNC:12101]	TR V gene	-0.9839	2.0588	13.7157	0.0002	0.0023
ENSG00000275791	TRBV10-3	T cell receptor beta variable 10-3 [Source:HGNC Symbol;Acc:HGNC:12179]	TR V gene	-0.9838	2.7572	14.1320	0.0002	0.0019
ENSG00000176845	METRNL	meteorin like, glial cell differentiation regulator [Source:HGNC Symbol;Acc:HGNC:27584]	protein coding	0.9831	4.8138	28.1135	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000198846	TOX	thymocyte selection associated high mobility group box [Source:HGNC Symbol;Acc:HGNC:18988]	protein coding	-0.9822	4.5623	35.2020	<0.0001	<0.0001
ENSG00000129422	MTUS1	microtubule associated scaffold protein 1 [Source:HGNC Symbol;Acc:HGNC:29789]	protein coding	-0.9811	2.7643	15.9222	<0.0001	0.0009
ENSG00000211815	TRAV36DV7	T cell receptor alpha variable 36/delta variable 7 [Source:HGNC Symbol;Acc:HGNC:12135]	TR V gene	-0.9806	1.9100	8.6694	0.0032	0.0175
ENSG00000105856	HBP1	HMG-box transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:23200]	protein coding	-0.9801	5.0046	20.3235	<0.0001	0.0001
ENSG00000124731	TREM1	triggering receptor expressed on myeloid cells 1 [Source:HGNC Symbol;Acc:HGNC:17760]	protein coding	0.9787	4.4504	35.7495	<0.0001	<0.0001
ENSG00000086189	DIMT1	DIMT1 rRNA methyltransferase and ribosome maturation factor [Source:HGNC Symbol;Acc:HGNC:30217]	protein coding	-0.9781	2.6933	8.0141	0.0046	0.0229
ENSG00000105963	ADAP1	ArfGAP with dual PH domains 1 [Source:HGNC Symbol;Acc:HGNC:16486]	protein coding	0.9776	3.5732	20.9440	<0.0001	0.0001
ENSG00000263272		novel transcript, antisense to RPAIN	lncRNA	0.9772	1.6956	13.1245	0.0003	0.0028
ENSG00000230099	TRBV5-4	T cell receptor beta variable 5-4 [Source:HGNC Symbol;Acc:HGNC:12221]	TR V gene	-0.9770	3.2679	23.1687	<0.0001	<0.0001
ENSG00000151726	ACSL1	acyl-CoA synthetase long chain family member 1 [Source:HGNC Symbol;Acc:HGNC:3569]	protein coding	0.9768	5.2725	38.6200	<0.0001	<0.0001
ENSG00000146904	EPHA1	EPH receptor A1 [Source:HGNC Symbol;Acc:HGNC:3385]	protein coding	-0.9765	4.4662	38.3881	<0.0001	<0.0001
ENSG00000211964	IGHV3-48	immunoglobulin heavy variable 3-48 [Source:HGNC Symbol;Acc:HGNC:5606]	IG V gene	-0.9745	3.4080	13.4244	0.0002	0.0025

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000246898	LINC00920	long intergenic non-protein coding RNA 920 [Source:HGNC Symbol;Acc:HGNC:48611]	lncRNA	-0.9740	2.1735	13.7561	0.0002	0.0022
ENSG00000155304	HSPA13	heat shock protein family A (Hsp70) member 13 [Source:HGNC Symbol;Acc:HGNC:11375]	protein coding	-0.9729	3.8049	18.3713	<0.0001	0.0003
ENSG00000146243	IRAK1BP1	interleukin 1 receptor associated kinase 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17368]	protein coding	-0.9726	1.6535	13.6632	0.0002	0.0023
ENSG00000259144	RANBP20P	RAN binding protein 20 pseudogene [Source:HGNC Symbol;Acc:HGNC:19734]	processed pseudo-gene	-0.9726	2.0509	10.8902	0.001	0.007
ENSG00000030419	IKZF2	IKAROS family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:13177]	protein coding	-0.9720	4.6182	25.2136	<0.0001	<0.0001
ENSG00000156017	CARNMT1	carnosine N-methyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23435]	protein coding	-0.9712	3.4412	7.1581	0.0075	0.0322
ENSG00000006534	ALDH3B1	aldehyde dehydrogenase 3 family member B1 [Source:HGNC Symbol;Acc:HGNC:410]	protein coding	0.9703	5.5335	40.2232	<0.0001	<0.0001
ENSG00000240498	CDKN2B-AS1	CDKN2B antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:34341]	lncRNA	0.9702	2.7470	9.2357	0.0024	0.0139
ENSG00000141232	TOB1	transducer of ERBB2, 1 [Source:HGNC Symbol;Acc:HGNC:11979]	protein coding	-0.9701	5.6331	27.9229	<0.0001	<0.0001
ENSG00000088387	DOCK9	dedicator of cytokinesis 9 [Source:HGNC Symbol;Acc:HGNC:14132]	protein coding	-0.9691	5.2128	14.8735	0.0001	0.0014
ENSG00000069667	RORA	RAR related orphan receptor A [Source:HGNC Symbol;Acc:HGNC:10258]	protein coding	-0.9689	4.3953	23.9482	<0.0001	<0.0001
ENSG00000162366	PDZK1IP1	PDZK1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:16887]	protein coding	0.9683	2.3812	11.0538	0.0009	0.0066

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000141505	ASGR1	asialoglycoprotein receptor 1 [Source:HGNC Symbol;Acc:HGNC:742]	protein coding	0.9680	4.1088	34.4552	<0.0001	<0.0001
ENSG00000230409	TCEA1P2	transcription elongation factor A1 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:29891]	processed pseudo-gene	-0.9662	2.3839	15.5586	<0.0001	0.0011
ENSG00000163823	CCR1	C-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:1602]	protein coding	0.9658	5.7041	23.8038	<0.0001	<0.0001
ENSG00000137267	TUBB2A	tubulin beta 2A class IIa [Source:HGNC Symbol;Acc:HGNC:12412]	protein coding	0.9654	2.9716	19.6797	<0.0001	0.0002
ENSG00000051128	HOMER3	homer scaffold protein 3 [Source:HGNC Symbol;Acc:HGNC:17514]	protein coding	0.9627	1.9941	10.1388	0.0015	0.0095
ENSG00000166002	SMCO4	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	protein coding	0.9616	4.0235	23.5718	<0.0001	<0.0001
ENSG00000177989	ODF3B	outer dense fiber of sperm tails 3B [Source:HGNC Symbol;Acc:HGNC:34388]	protein coding	0.9614	4.0073	14.5270	0.0001	0.0016
ENSG00000275131		phosphodiesterase 4D interacting protein (PDE4DIP) pseudogene	transcribed unprocessed pseudo-gene	-0.9614	3.4031	10.3266	0.0013	0.0088
ENSG00000109113	RAB34	RAB34, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:16519]	protein coding	0.9612	3.4285	23.6863	<0.0001	<0.0001
ENSG00000037749	MFAP3	microfibril associated protein 3 [Source:HGNC Symbol;Acc:HGNC:7034]	protein coding	-0.9611	3.3466	16.8145	<0.0001	0.0006
ENSG00000180549	FUT7	fucosyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:4018]	protein coding	0.9610	3.4496	28.3723	<0.0001	<0.0001
ENSG00000102763	VWA8	von Willebrand factor A domain containing 8 [Source:HGNC Symbol;Acc:HGNC:29071]	protein coding	-0.9607	4.0131	21.5247	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000171943	SRGAP2C	SLIT-ROBO Rho GTPase activating protein 2C [Source:HGNC Symbol;Acc:HGNC:30584]	protein coding	0.9604	3.0838	13.1431	0.0003	0.0028
ENSG00000198406	BZW1P2	basic leucine zipper and W2 domains 1 pseudo-gene 2 [Source:HGNC Symbol;Acc:HGNC:33954]	processed pseudo-gene	-0.9588	2.5952	13.0357	0.0003	0.0029
ENSG00000125744	RTN2	reticulon 2 [Source:HGNC Symbol;Acc:HGNC:10468]	protein coding	0.9581	1.9552	12.4465	0.0004	0.0037
ENSG00000173621	LRFN4	leucine rich repeat and fibronectin type III domain containing 4 [Source:HGNC Symbol;Acc:HGNC:28456]	protein coding	0.9580	2.0248	10.9458	0.0009	0.0069
ENSG00000141401	IMPA2	inositol monophosphatase 2 [Source:HGNC Symbol;Acc:HGNC:6051]	protein coding	0.9573	4.3794	35.2420	<0.0001	<0.0001
ENSG00000089127	OAS1	2'-5'-oligoadenylate synthetase 1 [Source:HGNC Symbol;Acc:HGNC:8086]	protein coding	0.9546	6.9091	27.1625	<0.0001	<0.0001
ENSG00000142657	PGD	phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:8891]	protein coding	0.9544	7.2738	43.6457	<0.0001	<0.0001
ENSG00000123384	LRP1	LDL receptor related protein 1 [Source:HGNC Symbol;Acc:HGNC:6692]	protein coding	0.9542	6.7870	35.3921	<0.0001	<0.0001
ENSG00000118007	STAG1	stromal antigen 1 [Source:HGNC Symbol;Acc:HGNC:11354]	protein coding	-0.9539	4.1067	25.8611	<0.0001	<0.0001
ENSG00000075651	PLD1	phospholipase D1 [Source:HGNC Symbol;Acc:HGNC:9067]	protein coding	0.9535	1.7269	15.4842	<0.0001	0.0011
ENSG00000134830	C5AR2	complement component 5a receptor 2 [Source:HGNC Symbol;Acc:HGNC:4527]	protein coding	0.9516	3.2684	18.9931	<0.0001	0.0003
ENSG00000282939	TRBV7-2	T cell receptor beta variable 7-2 [Source:HGNC Symbol;Acc:HGNC:12236]	TR V gene	-0.9483	4.0267	21.9985	<0.0001	<0.0001
ENSG00000137965	IFI44	interferon induced 44 [Source:HGNC Symbol;Acc:HGNC:16938]	protein coding	0.9481	5.3536	16.6169	<0.0001	0.0007

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000180089	TMEM86B	transmembrane protein 86B [Source:HGNC Symbol;Acc:HGNC:28448]	protein coding	0.9477	2.3772	16.3069	<0.0001	0.0008
ENSG00000176624	MEX3C	mex-3 RNA binding family member C [Source:HGNC Symbol;Acc:HGNC:28040]	protein coding	-0.9474	5.4443	21.4326	<0.0001	<0.0001
ENSG00000211716	TRBV9	T cell receptor beta variable 9 [Source:HGNC Symbol;Acc:HGNC:12246]	TR V gene	-0.9470	3.2282	11.9768	0.0005	0.0045
ENSG00000133641	C12orf29	chromosome 12 open reading frame 29 [Source:HGNC Symbol;Acc:HGNC:25322]	protein coding	-0.9463	2.9829	6.9458	0.0084	0.0354
ENSG00000196123	KIAA0895L	KIAA0895 like [Source:HGNC Symbol;Acc:HGNC:34408]	protein coding	0.9452	2.7652	19.5586	<0.0001	0.0002
ENSG00000164169	PRMT9	protein arginine methyltransferase 9 [Source:HGNC Symbol;Acc:HGNC:25099]	protein coding	-0.9448	2.7278	6.5642	0.0104	0.0413
ENSG00000170271	FAXDC2	fatty acid hydroxylase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:1334]	protein coding	0.9447	4.8020	22.7751	<0.0001	<0.0001
ENSG00000036549		zinc finger ZZ-type containing 3 [Source:NCBI gene;Acc:26009]	protein coding	-0.9438	5.0904	28.0171	<0.0001	<0.0001
ENSG00000104903	LYL1	LYL1 basic helix-loop-helix family member [Source:HGNC Symbol;Acc:HGNC:6734]	protein coding	0.9432	6.3818	36.8243	<0.0001	<0.0001
ENSG00000276557	TRBV18	T cell receptor beta variable 18 [Source:HGNC Symbol;Acc:HGNC:12193]	TR V gene	-0.9421	2.1915	10.5692	0.0011	0.008
ENSG00000168646	AXIN2	axin 2 [Source:HGNC Symbol;Acc:HGNC:904]	protein coding	-0.9407	4.2611	22.9892	<0.0001	<0.0001
ENSG00000177706	FAM20C	FAM20C golgi associated secretory pathway kinase [Source:HGNC Symbol;Acc:HGNC:22140]	protein coding	0.9405	3.6797	13.6563	0.0002	0.0023
ENSG00000176788	BASP1	brain abundant membrane attached signal protein 1 [Source:HGNC Symbol;Acc:HGNC:957]	protein coding	0.9394	4.8378	22.7626	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000154589	LY96	lymphocyte antigen 96 [Source:HGNC Symbol;Acc:HGNC:17156]	protein coding	0.9391	3.4067	25.1071	<0.0001	<0.0001
ENSG00000073792	IGF2BP2	insulin like growth factor 2 mRNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:28867]	protein coding	0.9390	4.0840	28.7916	<0.0001	<0.0001
ENSG00000013306	SLC25A39	solute carrier family 25 member 39 [Source:HGNC Symbol;Acc:HGNC:24279]	protein coding	0.9379	8.4788	40.8606	<0.0001	<0.0001
ENSG00000166225	FRS2	fibroblast growth factor receptor substrate 2 [Source:HGNC Symbol;Acc:HGNC:16971]	protein coding	-0.9366	3.6609	17.0676	<0.0001	0.0006
ENSG00000147408	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:24290]	protein coding	-0.9363	5.6426	38.0120	<0.0001	<0.0001
ENSG00000108861	DUSP3	dual specificity phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:3069]	protein coding	0.9349	5.2584	49.7657	<0.0001	<0.0001
ENSG00000211752	TRBV27	T cell receptor beta variable 27 [Source:HGNC Symbol;Acc:HGNC:12208]	TR V gene	-0.9338	2.8133	14.5742	0.0001	0.0016
ENSG00000092853	CLSPN	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	protein coding	0.9334	2.7914	9.9027	0.0017	0.0105
ENSG00000165832	TRUB1	TruB pseudouridine synthase family member 1 [Source:HGNC Symbol;Acc:HGNC:16060]	protein coding	-0.9314	3.2088	10.3768	0.0013	0.0086
ENSG00000205763	RP9P	RP9 pseudogene [Source:HGNC Symbol;Acc:HGNC:33969]	transcribed unprocessed pseudo-gene	0.9312	1.7508	9.6259	0.0019	0.0118
ENSG00000105866	SP4	Sp4 transcription factor [Source:HGNC Symbol;Acc:HGNC:11209]	protein coding	-0.9312	4.3294	25.1936	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000162676	GFI1	growth factor independent 1 transcriptional repres- sor [Source:HGNC Sym- bol;Acc:HGNC:4237]	protein coding	-0.9306	4.2117	12.0389	0.0005	0.0044
ENSG00000151014	NOCT	nocturnin [Source:HGNC Sym- bol;Acc:HGNC:14254]	protein coding	0.9287	2.8575	10.8401	0.001	0.0072
ENSG00000206047	DEFA1	defensin alpha 1 [Source:HGNC Symbol;Acc:HGNC:2761]	protein coding	-0.9286	2.3560	19.8931	<0.0001	0.0002
ENSG00000204186	ZDBF2	zinc finger DBF-type contain- ing 2 [Source:HGNC Sym- bol;Acc:HGNC:29313]	protein coding	-0.9275	2.1973	12.7556	0.0004	0.0033
ENSG00000226419	SLC16A1- AS1	SLC16A1 antisense RNA 1 [Source:HGNC Sym- bol;Acc:HGNC:49445]	lncRNA	0.9264	3.6287	12.6536	0.0004	0.0034
ENSG00000226660	TRBV2	T cell receptor beta vari- able 2 [Source:HGNC Sym- bol;Acc:HGNC:12195]	TR V gene	-0.9256	3.1502	23.0298	<0.0001	<0.0001
ENSG00000184154	LRTOMT	leucine rich transmembrane and O-methyltransferase do- main containing [Source:HGNC Symbol;Acc:HGNC:25033]	protein coding	0.9255	1.7112	7.5962	0.0058	0.027
ENSG00000160654	CD3G	CD3g molecule [Source:HGNC Symbol;Acc:HGNC:1675]	protein coding	-0.9255	7.2767	28.5252	<0.0001	<0.0001
ENSG00000121281	ADCY7	adenylate cyclase 7 [Source:HGNC Sym- bol;Acc:HGNC:238]	protein coding	-0.9232	5.6902	22.3271	<0.0001	<0.0001
ENSG00000169508	GPR183	G protein-coupled receptor 183 [Source:HGNC Sym- bol;Acc:HGNC:3128]	protein coding	-0.9224	5.8730	36.3437	<0.0001	<0.0001
ENSG00000211746	TRBV19	T cell receptor beta variable 19 [Source:HGNC Sym- bol;Acc:HGNC:12194]	TR V gene	-0.9218	4.4002	19.6569	<0.0001	0.0002
ENSG00000171033	PKIA	cAMP-dependent protein kinase inhibitor alpha [Source:HGNC Symbol;Acc:HGNC:9017]	protein coding	-0.9204	4.7520	27.0943	<0.0001	<0.0001
ENSG00000165801	ARHGEF40	Rho guanine nucleotide exchange factor 40 [Source:HGNC Sym- bol;Acc:HGNC:25516]	protein coding	0.9191	3.9122	22.4936	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000168961	LGALS9	galectin 9 [Source:HGNC Symbol;Acc:HGNC:6570]	protein coding	0.9172	7.6405	36.5020	<0.0001	<0.0001
ENSG00000132205	EMILIN2	elastin microfibril interfacer 2 [Source:HGNC Symbol;Acc:HGNC:19881]	protein coding	0.9165	6.2440	36.1502	<0.0001	<0.0001
ENSG00000133119	RFC3	replication factor C subunit 3 [Source:HGNC Symbol;Acc:HGNC:9971]	protein coding	-0.9153	2.1019	12.0863	0.0005	0.0043
ENSG00000243264	IGKV2D-29	immunoglobulin kappa variable 2D-29 [Source:HGNC Symbol;Acc:HGNC:5800]	IG V gene	-0.9151	2.9688	6.5109	0.0107	0.0421
ENSG00000180581	SRP9P1	signal recognition particle 9 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:23402]	processed pseudo-gene	-0.9149	1.9885	10.5229	0.0012	0.0081
ENSG00000170340	B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:15629]	protein coding	-0.9131	5.0235	20.3008	<0.0001	0.0001
ENSG00000155903	RASA2	RAS p21 protein activator 2 [Source:HGNC Symbol;Acc:HGNC:9872]	protein coding	-0.9128	5.6615	24.1979	<0.0001	<0.0001
ENSG00000140948	ZCCHC14	zinc finger CCHC-type containing 14 [Source:HGNC Symbol;Acc:HGNC:24134]	protein coding	-0.9118	4.0773	9.8177	0.0017	0.0109
ENSG00000140379	BCL2A1	BCL2 related protein A1 [Source:HGNC Symbol;Acc:HGNC:991]	protein coding	0.9117	4.4092	26.3024	<0.0001	<0.0001
ENSG00000117906	RCN2	reticulocalbin 2 [Source:HGNC Symbol;Acc:HGNC:9935]	protein coding	-0.9110	4.5509	22.2249	<0.0001	<0.0001
ENSG00000211673	IGLV3-1	immunoglobulin lambda variable 3-1 [Source:HGNC Symbol;Acc:HGNC:5896]	IG V gene	-0.9102	5.8941	26.2272	<0.0001	<0.0001
ENSG00000131981	LGALS3	galectin 3 [Source:HGNC Symbol;Acc:HGNC:6563]	protein coding	0.9101	5.6638	26.2895	<0.0001	<0.0001
ENSG00000140749	IGSF6	immunoglobulin superfamily member 6 [Source:HGNC Symbol;Acc:HGNC:5953]	protein coding	0.9093	6.2608	31.0989	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000166927	MS4A7	membrane spanning 4-domains A7 [Source:HGNC Symbol;Acc:HGNC:13378]	protein coding	0.9092	6.1854	18.5100	<0.0001	0.0003
ENSG00000163191	S100A11	S100 calcium binding protein A11 [Source:HGNC Symbol;Acc:HGNC:10488]	protein coding	0.9089	8.4452	46.5737	<0.0001	<0.0001
ENSG00000156475	PPP2R2B	protein phosphatase 2 regulatory subunit Bbeta [Source:HGNC Symbol;Acc:HGNC:9305]	protein coding	-0.9080	2.3393	6.2960	0.0121	0.0462
ENSG00000139832	RAB20	RAB20, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:18260]	protein coding	0.9078	2.9321	18.1100	<0.0001	0.0004
ENSG00000124198	ARFGEF2	ADP ribosylation factor guanine nucleotide exchange factor 2 [Source:HGNC Symbol;Acc:HGNC:15853]	protein coding	-0.9073	4.8187	19.1178	<0.0001	0.0002
ENSG00000062282	DGAT2	diacylglycerol O-acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:16940]	protein coding	0.9071	2.2111	10.1924	0.0014	0.0093
ENSG00000135378	PRRG4	proline rich and Gla domain 4 [Source:HGNC Symbol;Acc:HGNC:30799]	protein coding	0.9061	2.8104	8.4174	0.0037	0.0193
ENSG00000269378		integrin beta 1 pseudogene 1	processed pseudogene	-0.9057	2.7550	14.7899	0.0001	0.0015
ENSG00000204323	SMIM5	small integral membrane protein 5 [Source:HGNC Symbol;Acc:HGNC:40030]	protein coding	0.9057	3.3495	10.7892	0.001	0.0073
ENSG00000146021	KLHL3	kelch like family member 3 [Source:HGNC Symbol;Acc:HGNC:6354]	protein coding	-0.9046	3.7835	24.4952	<0.0001	<0.0001
ENSG00000164323	CFAP97	cilia and flagella associated protein 97 [Source:HGNC Symbol;Acc:HGNC:29276]	protein coding	-0.9033	4.5535	20.1365	<0.0001	0.0002
ENSG00000116741	RGS2	regulator of G protein signaling 2 [Source:HGNC Symbol;Acc:HGNC:9998]	protein coding	0.9031	6.1863	26.2945	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211638	IGLV8-61	immunoglobulin lambda variable 8-61 [Source:HGNC Symbol;Acc:HGNC:5931]	IG V gene	-0.9026	2.6750	10.0859	0.0015	0.0097
ENSG00000152213	ARL11	ADP ribosylation factor like GTPase 11 [Source:HGNC Symbol;Acc:HGNC:24046]	protein coding	0.9018	4.3691	30.4485	<0.0001	<0.0001
ENSG00000254505	CHMP4A	charged multivesicular body protein 4A [Source:HGNC Symbol;Acc:HGNC:20274]	protein coding	0.9016	3.2873	8.8047	0.003	0.0165
ENSG00000140262	TCF12	transcription factor 12 [Source:HGNC Symbol;Acc:HGNC:11623]	protein coding	-0.9012	5.7180	26.3601	<0.0001	<0.0001
ENSG00000230191	IFITM3P4	IFITM3 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:54542]	processed pseudo-gene	0.9012	1.2534	11.5193	0.0007	0.0054
ENSG00000007968	E2F2	E2F transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:3114]	protein coding	0.9004	4.7743	25.5906	<0.0001	<0.0001
ENSG00000211791	TRAV13-2	T cell receptor alpha variable 13-2 [Source:HGNC Symbol;Acc:HGNC:12109]	TR V gene	-0.9000	2.4787	16.8751	<0.0001	0.0006
ENSG00000211771	TRBJ2-7	T cell receptor beta joining 2-7 [Source:HGNC Symbol;Acc:HGNC:12175]	TR J gene	-0.8993	2.0332	12.2394	0.0005	0.0041
ENSG00000034693	PEX3	peroxisomal biogenesis factor 3 [Source:HGNC Symbol;Acc:HGNC:8858]	protein coding	-0.8981	2.2669	14.5328	0.0001	0.0016
ENSG00000144824	PHLDB2	pleckstrin homology like domain family B member 2 [Source:HGNC Symbol;Acc:HGNC:29573]	protein coding	-0.8960	1.8742	6.8957	0.0086	0.0361
ENSG00000111331	OAS3	2'-5'-oligoadenylate synthetase 3 [Source:HGNC Symbol;Acc:HGNC:8088]	protein coding	0.8929	6.4684	15.4125	<0.0001	0.0011
ENSG00000254893		RAP1B, member of RAS oncogene family pseudogene	translated processed pseudo-gene	-0.8927	3.5021	16.8541	<0.0001	0.0006

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000167850	CD300C	CD300c molecule [Source:HGNC Sym- bol;Acc:HGNC:19320]	protein coding	0.8925	4.5366	24.6236	<0.0001	<0.0001
ENSG00000100504	PYGL	glycogen phosphorylase L [Source:HGNC Sym- bol;Acc:HGNC:9725]	protein coding	0.8921	4.6840	33.9067	<0.0001	<0.0001
ENSG00000096092	TMEM14A	transmembrane protein 14A [Source:HGNC Sym- bol;Acc:HGNC:21076]	protein coding	-0.8914	1.6617	9.0689	0.0026	0.0148
ENSG00000116991	SIPA1L2	signal induced proliferation as- sociated 1 like 2 [Source:HGNC Symbol;Acc:HGNC:23800]	protein coding	0.8907	2.8291	24.0427	<0.0001	<0.0001
ENSG00000141469	SLC14A1	solute carrier family 14 member 1 (Kidd blood group) [Source:HGNC Sym- bol;Acc:HGNC:10918]	protein coding	0.8907	4.2251	18.8388	<0.0001	0.0003
ENSG00000100365	NCF4	neutrophil cytosolic fac- tor 4 [Source:HGNC Sym- bol;Acc:HGNC:7662]	protein coding	0.8905	6.0296	42.5062	<0.0001	<0.0001
ENSG00000087301	TXNDC16	thioredoxin domain contain- ing 16 [Source:HGNC Sym- bol;Acc:HGNC:19965]	protein coding	-0.8904	2.6706	13.4536	0.0002	0.0025
ENSG00000247626	MARS2	methionyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:25133]	protein coding	-0.8900	4.1189	7.8071	0.0052	0.0249
ENSG00000134109	EDEM1	ER degradation enhancing alpha-mannosidase like pro- tein 1 [Source:HGNC Sym- bol;Acc:HGNC:18967]	protein coding	-0.8893	6.6036	21.3779	<0.0001	<0.0001
ENSG00000102471	NDFIP2	Nedd4 family interacting pro- tein 2 [Source:HGNC Sym- bol;Acc:HGNC:18537]	protein coding	-0.8888	1.8530	10.6747	0.0011	0.0076
ENSG00000156127	BATF	basic leucine zipper ATF- like transcription fac- tor [Source:HGNC Sym- bol;Acc:HGNC:958]	protein coding	0.8883	5.1940	32.5463	<0.0001	<0.0001
ENSG00000060982	BCAT1	branched chain amino acid transaminase 1 [Source:HGNC Symbol;Acc:HGNC:976]	protein coding	0.8880	2.2571	9.4443	0.0021	0.0128

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211802	TRAV22	T cell receptor alpha variable 22 [Source:HGNC Symbol;Acc:HGNC:12119]	TR V gene	-0.8879	1.9150	13.4316	0.0002	0.0025
ENSG00000140743	CDR2	cerebellar degeneration related protein 2 [Source:HGNC Symbol;Acc:HGNC:1799]	protein coding	-0.8869	5.8546	26.3789	<0.0001	<0.0001
ENSG00000197405	C5AR1	complement C5a receptor 1 [Source:HGNC Symbol;Acc:HGNC:1338]	protein coding	0.8864	5.9667	30.0142	<0.0001	<0.0001
ENSG00000142556	ZNF614	zinc finger protein 614 [Source:HGNC Symbol;Acc:HGNC:24722]	protein coding	-0.8856	3.5909	6.9112	0.0086	0.036
ENSG00000100629	CEP128	centrosomal protein 128 [Source:HGNC Symbol;Acc:HGNC:20359]	protein coding	-0.8847	1.8978	6.3011	0.0121	0.0461
ENSG00000118503	TNFAIP3	TNF alpha induced protein 3 [Source:HGNC Symbol;Acc:HGNC:11896]	protein coding	-0.8844	6.3729	35.3783	<0.0001	<0.0001
ENSG00000253210		novel transcript	lncRNA	0.8843	1.9112	11.0283	0.0009	0.0066
ENSG00000204524	ZNF805	zinc finger protein 805 [Source:HGNC Symbol;Acc:HGNC:23272]	protein coding	-0.8843	2.7997	9.9733	0.0016	0.0102
ENSG00000186230	ZNF749	zinc finger protein 749 [Source:HGNC Symbol;Acc:HGNC:32783]	protein coding	-0.8841	2.5268	7.2437	0.0071	0.0311
ENSG00000115232	ITGA4	integrin subunit alpha 4 [Source:HGNC Symbol;Acc:HGNC:6140]	protein coding	-0.8824	7.0463	28.3086	<0.0001	<0.0001
ENSG00000225568		pseudogene similar to part of SUMO-1 activating enzyme subunit 2 (UBA2)	processed pseudogene	-0.8814	2.2244	9.3508	0.0022	0.0132
ENSG00000108479	GALK1	galactokinase 1 [Source:HGNC Symbol;Acc:HGNC:4118]	protein coding	0.8811	3.8375	24.7322	<0.0001	<0.0001
ENSG00000279277		novel transcript	lncRNA	0.8809	1.7496	8.6491	0.0033	0.0176
ENSG00000135913	USP37	ubiquitin specific peptidase 37 [Source:HGNC Symbol;Acc:HGNC:20063]	protein coding	-0.8806	2.3296	12.6055	0.0004	0.0035
ENSG00000236255		novel transcript	lncRNA	0.8803	2.0979	7.5476	0.006	0.0275

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000079335	CDC14A	cell division cycle 14A [Source:HGNC Symbol;Acc:HGNC:1718]	protein coding	-0.8793	5.0519	21.2317	<0.0001	<0.0001
ENSG00000197077	KIAA1671	KIAA1671 [Source:HGNC Symbol;Acc:HGNC:29345]	protein coding	-0.8789	4.0243	27.7952	<0.0001	<0.0001
ENSG00000173114	LRRN3	leucine rich repeat neuronal 3 [Source:HGNC Symbol;Acc:HGNC:17200]	protein coding	-0.8777	7.4435	24.0869	<0.0001	<0.0001
ENSG00000066336	SPI1	Spi-1 proto-oncogene [Source:HGNC Symbol;Acc:HGNC:11241]	protein coding	0.8768	7.5033	41.8330	<0.0001	<0.0001
ENSG00000213889	PPM1N	protein phosphatase, Mg2+/Mn2+ dependent 1N (putative) [Source:HGNC Symbol;Acc:HGNC:26845]	protein coding	0.8764	2.7384	14.1734	0.0002	0.0019
ENSG00000154165	GPR15	G protein-coupled receptor 15 [Source:HGNC Symbol;Acc:HGNC:4469]	protein coding	-0.8764	2.3993	12.7777	0.0004	0.0033
ENSG00000115129	TP53I3	tumor protein p53 inducible protein 3 [Source:HGNC Symbol;Acc:HGNC:19373]	protein coding	0.8760	2.6190	16.4253	<0.0001	0.0008
ENSG00000164828	SUN1	Sad1 and UNC84 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18587]	protein coding	-0.8759	5.8454	16.4957	<0.0001	0.0007
ENSG00000071246	VASH1	vasohibin 1 [Source:HGNC Symbol;Acc:HGNC:19964]	protein coding	0.8759	3.6982	20.1658	<0.0001	0.0002
ENSG00000170962	PDGFD	platelet derived growth factor D [Source:HGNC Symbol;Acc:HGNC:30620]	protein coding	-0.8754	2.0399	8.2509	0.0041	0.0207
ENSG00000068489	PRR11	proline rich 11 [Source:HGNC Symbol;Acc:HGNC:25619]	protein coding	0.8753	4.8388	10.5059	0.0012	0.0082
ENSG00000138780	GSTCD	glutathione S-transferase C-terminal domain containing [Source:HGNC Symbol;Acc:HGNC:25806]	protein coding	-0.8737	1.9872	9.2932	0.0023	0.0136
ENSG00000168675	LDLRAD4	low density lipoprotein receptor class A domain containing 4 [Source:HGNC Symbol;Acc:HGNC:1224]	protein coding	-0.8730	4.9538	28.7411	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000127507	ADGRE2	adhesion G protein-coupled receptor E2 [Source:HGNC Symbol;Acc:HGNC:3337]	protein coding	0.8730	4.8852	23.7473	<0.0001	<0.0001
ENSG00000196923	PDLIM7	PDZ and LIM domain 7 [Source:HGNC Symbol;Acc:HGNC:22958]	protein coding	0.8723	4.1390	28.4742	<0.0001	<0.0001
ENSG00000178719	GRINA	glutamate ionotropic receptor NMDA type subunit associated protein 1 [Source:HGNC Symbol;Acc:HGNC:4589]	protein coding	0.8719	7.3244	51.6226	<0.0001	<0.0001
ENSG00000281649	EBLN3P	endogenous Bornavirus like nucleoprotein 3, pseudogene [Source:HGNC Symbol;Acc:HGNC:50682]	lncRNA	-0.8717	6.6242	19.2185	<0.0001	0.0002
ENSG00000265273	PGDP1	phosphogluconate dehydrogenase pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:8892]	processed pseudogene	0.8711	2.7316	18.4618	<0.0001	0.0003
ENSG00000125257	ABCC4	ATP binding cassette subfamily C member 4 [Source:HGNC Symbol;Acc:HGNC:55]	protein coding	-0.8710	2.9073	10.6296	0.0011	0.0078
ENSG00000241163	LINC00877	long intergenic non-protein coding RNA 877 [Source:HGNC Symbol;Acc:HGNC:27706]	lncRNA	0.8701	2.9555	14.1175	0.0002	0.0019
ENSG00000132326	PER2	period circadian regulator 2 [Source:HGNC Symbol;Acc:HGNC:8846]	protein coding	-0.8700	3.1602	9.8672	0.0017	0.0107
ENSG00000173930	SLCO4C1	solute carrier organic anion transporter family member 4C1 [Source:HGNC Symbol;Acc:HGNC:23612]	protein coding	-0.8683	2.5078	13.4938	0.0002	0.0025
ENSG00000089123	TASP1	taspace 1 [Source:HGNC Symbol;Acc:HGNC:15859]	protein coding	-0.8671	2.3635	13.2019	0.0003	0.0028
ENSG00000105355	PLIN3	perilipin 3 [Source:HGNC Symbol;Acc:HGNC:16893]	protein coding	0.8665	5.6943	38.8247	<0.0001	<0.0001
ENSG00000163513	TGFBR2	transforming growth factor beta receptor 2 [Source:HGNC Symbol;Acc:HGNC:11773]	protein coding	-0.8658	7.9495	31.9234	<0.0001	<0.0001
ENSG00000240247	DEFA1B	defensin alpha 1B [Source:HGNC Symbol;Acc:HGNC:33596]	protein coding	-0.8653	1.3239	14.3428	0.0002	0.0018

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000130303	BST2	bone marrow stromal cell antigen 2 [Source:HGNC Symbol;Acc:HGNC:1119]	protein coding	0.8648	6.8475	36.9955	<0.0001	<0.0001
ENSG00000135249	RINT1	RAD50 interactor 1 [Source:HGNC Symbol;Acc:HGNC:21876]	protein coding	-0.8643	3.3759	12.9464	0.0003	0.0031
ENSG00000145687	SSBP2	single stranded DNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:15831]	protein coding	-0.8643	4.6264	28.9161	<0.0001	<0.0001
ENSG00000158869	FCER1G	Fc fragment of IgE receptor Ig [Source:HGNC Symbol;Acc:HGNC:3611]	protein coding	0.8640	8.1758	40.5218	<0.0001	<0.0001
ENSG00000146094	DOK3	docking protein 3 [Source:HGNC Symbol;Acc:HGNC:24583]	protein coding	0.8632	5.8121	33.3624	<0.0001	<0.0001
ENSG00000249437	NAIP	NLR family apoptosis inhibitory protein [Source:HGNC Symbol;Acc:HGNC:7634]	protein coding	0.8631	3.4876	25.5814	<0.0001	<0.0001
ENSG00000177888	ZBTB41	zinc finger and BTB domain containing 41 [Source:HGNC Symbol;Acc:HGNC:24819]	protein coding	-0.8627	2.9024	10.2349	0.0014	0.0092
ENSG00000250318		ribosomal protein L13a (RPL13A) pseudogene	unprocessed pseudo-gene	0.8617	1.6231	8.2531	0.0041	0.0207
ENSG00000140044	JDP2	Jun dimerization protein 2 [Source:HGNC Symbol;Acc:HGNC:17546]	protein coding	0.8615	4.1550	24.8491	<0.0001	<0.0001
ENSG00000151474	FRMD4A	FERM domain containing 4A [Source:HGNC Symbol;Acc:HGNC:25491]	protein coding	0.8598	1.7082	9.7701	0.0018	0.0111
ENSG00000109943	CRTAM	cytotoxic and regulatory T cell molecule [Source:HGNC Symbol;Acc:HGNC:24313]	protein coding	-0.8595	4.7463	25.4366	<0.0001	<0.0001
ENSG00000182718	ANXA2	annexin A2 [Source:HGNC Symbol;Acc:HGNC:537]	protein coding	0.8590	7.5663	45.0298	<0.0001	<0.0001
ENSG00000163492	CCDC141	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]	protein coding	-0.8586	1.3693	8.8411	0.0029	0.0163

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000087086	FTL	ferritin light chain [Source:HGNC Sym- bol;Acc:HGNC:3999]	protein coding	0.8550	12.2975	50.8181	<0.0001	<0.0001
ENSG00000102760	RGCC	regulator of cell cycle [Source:HGNC Sym- bol;Acc:HGNC:20369]	protein coding	-0.8548	5.7570	30.5566	<0.0001	<0.0001
ENSG00000221869	CEBPD	CCAAT enhancer binding protein delta [Source:HGNC Sym- bol;Acc:HGNC:1835]	protein coding	0.8544	4.8666	21.7882	<0.0001	<0.0001
ENSG00000196154	S100A4	S100 calcium binding protein A4 [Source:HGNC Sym- bol;Acc:HGNC:10494]	protein coding	0.8540	9.0376	48.9180	<0.0001	<0.0001
ENSG00000226608	FTLP3	ferritin light chain pseudo-gene 3 [Source:HGNC Sym- bol;Acc:HGNC:4000]	processed pseudo-gene	0.8539	8.2210	36.1454	<0.0001	<0.0001
ENSG00000245275	SAP30L-AS1	SAP30L antisense RNA 1 (head to head) [Source:HGNC Sym- bol;Acc:HGNC:26760]	lncRNA	0.8536	1.4760	11.8266	0.0006	0.0048
ENSG00000164307	ERAP1	endoplasmic reticulum aminopeptidase 1 [Source:HGNC Sym- bol;Acc:HGNC:18173]	protein coding	-0.8530	6.1709	24.1586	<0.0001	<0.0001
ENSG00000197372	ZNF675	zinc finger protein 675 [Source:HGNC Sym- bol;Acc:HGNC:30768]	protein coding	-0.8529	3.3725	12.4708	0.0004	0.0037
ENSG00000170921	TANC2	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2 [Source:HGNC Sym- bol;Acc:HGNC:30212]	protein coding	-0.8524	3.4191	8.4707	0.0036	0.0189
ENSG00000136111	TBC1D4	TBC1 domain family member 4 [Source:HGNC Sym- bol;Acc:HGNC:19165]	protein coding	-0.8520	6.3669	20.4294	<0.0001	0.0001
ENSG00000152518	ZFP36L2	ZFP36 ring finger protein like 2 [Source:HGNC Sym- bol;Acc:HGNC:1108]	protein coding	-0.8518	8.1394	58.6794	<0.0001	<0.0001
ENSG00000090061	CCNK	cyclin K [Source:HGNC Sym- bol;Acc:HGNC:1596]	protein coding	-0.8515	3.0857	11.6084	0.0007	0.0052
ENSG00000139187	KLRG1	killer cell lectin like receptor G1 [Source:HGNC Sym- bol;Acc:HGNC:6380]	protein coding	-0.8511	4.5421	15.8753	<0.0001	0.0009

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000088826	SMOX	spermine oxidase [Source:HGNC Symbol;Acc:HGNC:15862]	protein coding	0.8510	4.3076	26.9076	<0.0001	<0.0001
ENSG00000151692	RNF144A	ring finger protein 144A [Source:HGNC Symbol;Acc:HGNC:20457]	protein coding	-0.8500	4.8379	10.9355	0.0009	0.0069
ENSG00000174080	CTSF	cathepsin F [Source:HGNC Symbol;Acc:HGNC:2531]	protein coding	-0.8498	2.3055	12.6285	0.0004	0.0035
ENSG00000211660	IGLV2-23	immunoglobulin lambda variable 2-23 [Source:HGNC Symbol;Acc:HGNC:5890]	IG V gene	-0.8495	4.1100	14.9815	0.0001	0.0014
ENSG00000172216	CEBPB	CCAAT enhancer binding protein beta [Source:HGNC Symbol;Acc:HGNC:1834]	protein coding	0.8492	6.6967	32.9765	<0.0001	<0.0001
ENSG00000246082	NUDT16P1	nudix hydrolase 16 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:27189]	transcribed unitary pseudogene	0.8484	1.9696	11.6231	0.0007	0.0052
ENSG00000163563	MNDA	myeloid cell nuclear differentiation antigen [Source:HGNC Symbol;Acc:HGNC:7183]	protein coding	0.8483	6.8653	35.9401	<0.0001	<0.0001
ENSG00000112249	ASCC3	activating signal cointegrator 1 complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:18697]	protein coding	-0.8476	4.3614	13.1094	0.0003	0.0029
ENSG00000152270	PDE3B	phosphodiesterase 3B [Source:HGNC Symbol;Acc:HGNC:8779]	protein coding	-0.8473	5.8319	21.0377	<0.0001	0.0001
ENSG00000198053	SIRPA	signal regulatory protein alpha [Source:HGNC Symbol;Acc:HGNC:9662]	protein coding	0.8469	6.3903	24.8801	<0.0001	<0.0001
ENSG00000135318	NT5E	5'-nucleotidase [Source:HGNC Symbol;Acc:HGNC:8021]	protein coding	-0.8467	4.5658	18.3725	<0.0001	0.0003
ENSG00000167065	DUSP18	dual specificity phosphatase 18 [Source:HGNC Symbol;Acc:HGNC:18484]	protein coding	0.8462	3.8393	13.8955	0.0002	0.0021
ENSG00000160746	ANO10	anoctamin 10 [Source:HGNC Symbol;Acc:HGNC:25519]	protein coding	0.8461	3.1214	19.1093	<0.0001	0.0002

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000113595	TRIM23	tripartite motif containing 23 [Source:HGNC Symbol;Acc:HGNC:660]	protein coding	-0.8461	3.3859	12.3908	0.0004	0.0038
ENSG00000226742	HSBP1L1	heat shock factor binding protein 1 like 1 [Source:HGNC Symbol;Acc:HGNC:37243]	protein coding	-0.8460	2.1652	6.7589	0.0093	0.0382
ENSG00000282431	TRBD1	T cell receptor beta diversity 1 [Source:HGNC Symbol;Acc:HGNC:12158]	TR D gene	-0.8459	2.5271	14.0439	0.0002	0.002
ENSG00000135407	AVIL	advillin [Source:HGNC Symbol;Acc:HGNC:14188]	protein coding	0.8443	2.3013	10.9095	0.001	0.007
ENSG00000278030	TRBV7-9	T cell receptor beta variable 7-9 [Source:HGNC Symbol;Acc:HGNC:12243]	TR V gene	-0.8440	4.2036	20.6938	<0.0001	0.0001
ENSG00000152056	AP1S3	adaptor related protein complex 1 subunit sigma 3 [Source:HGNC Symbol;Acc:HGNC:18971]	protein coding	0.8439	1.3346	8.5134	0.0035	0.0186
ENSG00000147421	HMBOX1	homeobox containing 1 [Source:HGNC Symbol;Acc:HGNC:26137]	protein coding	0.8434	4.8415	21.5633	<0.0001	<0.0001
ENSG00000178562	CD28	CD28 molecule [Source:HGNC Symbol;Acc:HGNC:1653]	protein coding	-0.8433	6.6892	28.8893	<0.0001	<0.0001
ENSG00000163625	WDFY3	WD repeat and FYVE domain containing 3 [Source:HGNC Symbol;Acc:HGNC:20751]	protein coding	0.8422	3.0810	14.6657	0.0001	0.0015
ENSG00000211721	TRBV6-5	T cell receptor beta variable 6-5 [Source:HGNC Symbol;Acc:HGNC:12230]	TR V gene	-0.8418	3.6757	25.4779	<0.0001	<0.0001
ENSG00000270049		novel transcript, antisense to AGRP	lncRNA	0.8416	3.4696	15.1491	<0.0001	0.0013
ENSG00000258511	LINC02295	long intergenic non-protein coding RNA 2295 [Source:HGNC Symbol;Acc:HGNC:53211]	lncRNA	-0.8415	2.6212	15.3250	<0.0001	0.0012
ENSG00000166341	DCHS1	dachsous cadherin-related 1 [Source:HGNC Symbol;Acc:HGNC:13681]	protein coding	-0.8412	4.6735	28.8056	<0.0001	<0.0001
ENSG00000198585	NUDT16	nudix hydrolase 16 [Source:HGNC Symbol;Acc:HGNC:26442]	protein coding	0.8409	4.8164	37.2620	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000172780	RAB43	RAB43, member RAS onco-gene family [Source:HGNC Symbol;Acc:HGNC:19983]	protein coding	-0.8400	1.8252	9.9363	0.0016	0.0104
ENSG00000116106	EPHA4	EPH receptor A4 [Source:HGNC Symbol;Acc:HGNC:3388]	protein coding	-0.8399	4.6388	18.4181	<0.0001	0.0003
ENSG00000127946	HIP1	huntingtin interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:4913]	protein coding	0.8396	4.4211	21.2977	<0.0001	<0.0001
ENSG00000183813	CCR4	C-C motif chemokine receptor 4 [Source:HGNC Symbol;Acc:HGNC:1605]	protein coding	-0.8392	4.2983	11.8351	0.0006	0.0048
ENSG00000211649	IGLV7-46	immunoglobulin lambda variable 7-46 (gene/pseudo-gene) [Source:HGNC Symbol;Acc:HGNC:5930]	IG V gene	-0.8382	2.6934	9.7561	0.0018	0.0112
ENSG00000167524	RSKR	ribosomal protein S6 kinase related [Source:HGNC Symbol;Acc:HGNC:26314]	protein coding	0.8381	2.3143	10.2910	0.0013	0.009
ENSG00000058063	ATP11B	ATPase phospholipid transporting 11B (putative) [Source:HGNC Symbol;Acc:HGNC:13553]	protein coding	-0.8380	5.9848	22.8783	<0.0001	<0.0001
ENSG00000182511	FES	FES proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3657]	protein coding	0.8368	6.1355	27.9816	<0.0001	<0.0001
ENSG00000138468	SEN7	SUMO specific peptidase 7 [Source:HGNC Symbol;Acc:HGNC:30402]	protein coding	-0.8366	4.7092	17.3415	<0.0001	0.0005
ENSG00000176973	FAM89B	family with sequence similarity 89 member B [Source:HGNC Symbol;Acc:HGNC:16708]	protein coding	0.8365	3.9797	13.6330	0.0002	0.0023
ENSG00000170915	PAQR8	progesterone and adipoQ receptor family member 8 [Source:HGNC Symbol;Acc:HGNC:15708]	protein coding	-0.8358	5.9771	36.8008	<0.0001	<0.0001
ENSG00000243449	C4orf48	chromosome 4 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:34437]	protein coding	0.8355	2.3184	8.7227	0.0031	0.0171
ENSG00000164120	HPGD	15-hydroxyprostaglandin dehydrogenase [Source:HGNC Symbol;Acc:HGNC:5154]	protein coding	-0.8351	3.6412	15.0907	0.0001	0.0013

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000277161	PIGW	phosphatidylinositol anchor biosynthesis W [Source:HGNC Symbol;Acc:HGNC:23213]	glycan class coding protein	-0.8351	2.7572	6.5771	0.0103	0.041
ENSG0000058091	CDK14	cyclin dependent kinase 14 [Source:HGNC Symbol;Acc:HGNC:8883]	protein coding	-0.8341	3.3558	6.1422	0.0132	0.0492
ENSG00000184860	SDR42E1	short chain dehydrogenase/reductase family 42E, member 1 [Source:HGNC Symbol;Acc:HGNC:29834]	protein coding	-0.8340	2.8843	15.1049	0.0001	0.0013
ENSG00000211777	TRAV3	T cell receptor alpha variable 3 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:12128]	TR V gene	-0.8339	2.8838	13.1410	0.0003	0.0028
ENSG00000124098	FAM210B	family with sequence similarity 210 member B [Source:HGNC Symbol;Acc:HGNC:16102]	protein coding	0.8335	6.1851	21.8304	<0.0001	<0.0001
ENSG00000103876	FAH	fumarylacetoacetate hydrolase [Source:HGNC Symbol;Acc:HGNC:3579]	protein coding	0.8324	3.3100	12.0480	0.0005	0.0044
ENSG00000092871	RFFL	ring finger and FYVE like domain containing E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:24821]	protein coding	-0.8317	4.2727	21.0496	<0.0001	0.0001
ENSG00000167525	PROCA1	protein interacting with cyclin A1 [Source:HGNC Symbol;Acc:HGNC:28600]	protein coding	0.8303	3.0262	15.8995	<0.0001	0.0009
ENSG00000110344	UBE4A	ubiquitination factor E4A [Source:HGNC Symbol;Acc:HGNC:12499]	protein coding	-0.8301	5.0119	24.7275	<0.0001	<0.0001
ENSG00000198039	ZNF273	zinc finger protein 273 [Source:HGNC Symbol;Acc:HGNC:13067]	protein coding	-0.8295	2.5655	9.2294	0.0024	0.0139
ENSG00000106799	TGFBR1	transforming growth factor beta receptor 1 [Source:HGNC Symbol;Acc:HGNC:11772]	protein coding	-0.8293	5.4901	18.8089	<0.0001	0.0003

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000112773	TENT5A	terminal nucleotidyltransferase 5A [Source:HGNC Symbol;Acc:HGNC:18345]	protein coding	0.8287	5.4191	18.3462	<0.0001	0.0003
ENSG00000174738	NR1D2	nuclear receptor subfamily 1 group D member 2 [Source:HGNC Symbol;Acc:HGNC:7963]	protein coding	-0.8275	4.6484	19.2676	<0.0001	0.0002
ENSG00000247627	MTND4P12	MT-ND4 pseudogene 12 [Source:HGNC Symbol;Acc:HGNC:42199]	processed pseudogene	-0.8269	6.6620	12.0262	0.0005	0.0044
ENSG00000141424	SLC39A6	solute carrier family 39 member 6 [Source:HGNC Symbol;Acc:HGNC:18607]	protein coding	-0.8264	4.1209	20.1138	<0.0001	0.0002
ENSG00000140382	HMG20A	high mobility group 20A [Source:HGNC Symbol;Acc:HGNC:5001]	protein coding	-0.8259	4.3569	17.8571	<0.0001	0.0004
ENSG00000113369	ARRDC3	arrestin domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29263]	protein coding	-0.8258	5.3380	19.4334	<0.0001	0.0002
ENSG00000140105	WARS1	tryptophanyl-tRNA synthetase 1 [Source:HGNC Symbol;Acc:HGNC:12729]	protein coding	0.8252	7.8334	14.3770	0.0001	0.0017
ENSG00000029534	ANK1	ankyrin 1 [Source:HGNC Symbol;Acc:HGNC:492]	protein coding	0.8247	5.2073	29.5957	<0.0001	<0.0001
ENSG00000142733	MAP3K6	mitogen-activated protein kinase kinase 6 [Source:HGNC Symbol;Acc:HGNC:6858]	protein coding	0.8242	3.0990	15.7323	<0.0001	0.001
ENSG00000159267	HLCS	holocarboxylase synthetase [Source:HGNC Symbol;Acc:HGNC:4976]	protein coding	-0.8241	3.1686	16.2289	<0.0001	0.0008
ENSG00000230562	FAM133DP	family with sequence similarity 133 member D, pseudogene [Source:HGNC Symbol;Acc:HGNC:44192]	processed pseudogene	0.8231	2.6959	9.6337	0.0019	0.0118
ENSG00000164125	GASK1B	golgi associated kinase 1B [Source:HGNC Symbol;Acc:HGNC:25312]	protein coding	0.8230	3.6323	13.7838	0.0002	0.0022

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211785	TRAV12-1	T cell receptor alpha variable 12-1 [Source:HGNC Symbol;Acc:HGNC:12105]	TR V gene	-0.8216	3.1207	13.8080	0.0002	0.0022
ENSG00000127995	CASD1	CAS1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:16014]	protein coding	-0.8211	4.2769	18.9138	<0.0001	0.0003
ENSG00000211778	TRAV4	T cell receptor alpha variable 4 [Source:HGNC Symbol;Acc:HGNC:12140]	TR V gene	-0.8208	3.5512	12.2366	0.0005	0.0041
ENSG00000186908	ZDHHC17	zinc finger DHHC-type palmitoyltransferase 17 [Source:HGNC Symbol;Acc:HGNC:18412]	protein coding	-0.8206	4.3628	12.1038	0.0005	0.0043
ENSG00000171940	ZNF217	zinc finger protein 217 [Source:HGNC Symbol;Acc:HGNC:13009]	protein coding	-0.8204	7.0898	19.2166	<0.0001	0.0002
ENSG00000271605	MILR1	mast cell immunoglobulin like receptor 1 [Source:HGNC Symbol;Acc:HGNC:27570]	protein coding	0.8195	3.8794	20.3642	<0.0001	0.0001
ENSG00000175087	PDIM1L	PDLIM1 interacting kinase 1 like [Source:HGNC Symbol;Acc:HGNC:18981]	protein coding	-0.8189	3.4554	16.0829	<0.0001	0.0009
ENSG00000185905	C16orf54	chromosome 16 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:26649]	protein coding	-0.8172	7.7119	27.1693	<0.0001	<0.0001
ENSG00000246526	LINC02481	long intergenic non-protein coding RNA 2481 [Source:HGNC Symbol;Acc:HGNC:27958]	lncRNA	-0.8169	3.2862	7.6432	0.0057	0.0265
ENSG00000166086	JAM3	junctional adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:15532]	protein coding	-0.8167	1.5449	6.1420	0.0132	0.0492
ENSG00000134070	IRAK2	interleukin 1 receptor associated kinase 2 [Source:HGNC Symbol;Acc:HGNC:6113]	protein coding	-0.8166	2.7307	10.4057	0.0013	0.0085
ENSG00000152894	PTPRK	protein tyrosine phosphatase receptor type K [Source:HGNC Symbol;Acc:HGNC:9674]	protein coding	-0.8164	3.8900	17.8025	<0.0001	0.0004
ENSG00000248810	LINC02432	long intergenic non-protein coding RNA 2432 [Source:HGNC Symbol;Acc:HGNC:53363]	lncRNA	0.8163	3.0594	16.6825	<0.0001	0.0007

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000115306	SPTBN1	spectrin beta, non-erythrocytic 1 [Source:HGNC Symbol;Acc:HGNC:11275]	protein coding	-0.8162	7.4304	40.4966	<0.0001	<0.0001
ENSG00000115828	QPCT	glutaminy-peptide cyclotransferase [Source:HGNC Symbol;Acc:HGNC:9753]	protein coding	0.8158	2.8907	15.0960	0.0001	0.0013
ENSG00000211662	IGLV3-21	immunoglobulin lambda variable 3-21 [Source:HGNC Symbol;Acc:HGNC:5905]	IG V gene	-0.8154	5.5521	24.8196	<0.0001	<0.0001
ENSG00000142875	PRKACB	protein kinase cAMP-activated catalytic subunit beta [Source:HGNC Symbol;Acc:HGNC:9381]	protein coding	-0.8146	7.0743	25.7138	<0.0001	<0.0001
ENSG00000139132	FGD4	FYVE, RhoGEF and PH domain containing 4 [Source:HGNC Symbol;Acc:HGNC:19125]	protein coding	0.8132	3.3144	20.2992	<0.0001	0.0001
ENSG00000165959	CLMN	calmin [Source:HGNC Symbol;Acc:HGNC:19972]	protein coding	0.8131	3.8691	17.8537	<0.0001	0.0004
ENSG00000183691	NOG	noggin [Source:HGNC Symbol;Acc:HGNC:7866]	protein coding	-0.8127	5.5352	34.2462	<0.0001	<0.0001
ENSG00000237702	TRBV3-1	T cell receptor beta variable 3-1 [Source:HGNC Symbol;Acc:HGNC:12212]	TR V gene	-0.8125	3.1423	14.0652	0.0002	0.002
ENSG00000135363	LMO2	LIM domain only 2 [Source:HGNC Symbol;Acc:HGNC:6642]	protein coding	0.8125	6.1111	31.7795	<0.0001	<0.0001
ENSG00000118242	MREG	melanoregulin [Source:HGNC Symbol;Acc:HGNC:25478]	protein coding	-0.8119	2.9106	14.5685	0.0001	0.0016
ENSG00000138119	MYOF	myoferlin [Source:HGNC Symbol;Acc:HGNC:3656]	protein coding	0.8114	4.2828	12.9268	0.0003	0.0031
ENSG00000251369	ZNF550	zinc finger protein 550 [Source:HGNC Symbol;Acc:HGNC:28643]	protein coding	-0.8108	4.1792	21.0545	<0.0001	0.0001
ENSG00000256594		C-type lectin domain family 2 (CLEC2) pseudogene	transcribed unprocessed pseudogene	-0.8105	3.5506	25.8312	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000240445	FOXO3B	forkhead box O3B [Source:HGNC Symbol;Acc:HGNC:3822]	protein coding	-0.8101	2.1754	6.7207	0.0095	0.0387
ENSG00000138795	LEF1	lymphoid enhancer binding factor 1 [Source:HGNC Symbol;Acc:HGNC:6551]	protein coding	-0.8096	8.6509	23.0391	<0.0001	<0.0001
ENSG00000184384	MAML2	mastermind like transcriptional coactivator 2 [Source:HGNC Symbol;Acc:HGNC:16259]	protein coding	-0.8080	5.4456	22.8599	<0.0001	<0.0001
ENSG00000281344	HELLPAR	HELLP associated long non-coding RNA [Source:HGNC Symbol;Acc:HGNC:43984]	lncRNA	0.8078	1.4679	8.2304	0.0041	0.0209
ENSG00000150093	ITGB1	integrin subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:6153]	protein coding	-0.8063	6.0529	24.5610	<0.0001	<0.0001
ENSG00000176749	CDK5R1	cyclin dependent kinase 5 regulatory subunit 1 [Source:HGNC Symbol;Acc:HGNC:1775]	protein coding	-0.8062	3.6518	21.8421	<0.0001	<0.0001
ENSG00000267128	RNF157-AS1	RNF157 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44127]	lncRNA	-0.8052	1.9826	8.9062	0.0028	0.0159
ENSG00000174059	CD34	CD34 molecule [Source:HGNC Symbol;Acc:HGNC:1662]	protein coding	-0.8051	1.7619	8.4527	0.0036	0.019
ENSG00000139193	CD27	CD27 molecule [Source:HGNC Symbol;Acc:HGNC:11922]	protein coding	-0.8051	6.5559	42.6950	<0.0001	<0.0001
ENSG00000211724	TRBV6-6	T cell receptor beta variable 6-6 [Source:HGNC Symbol;Acc:HGNC:12231]	TR V gene	-0.8049	2.7290	15.6379	<0.0001	0.001
ENSG00000145390	USP53	ubiquitin specific peptidase 53 [Source:HGNC Symbol;Acc:HGNC:29255]	protein coding	-0.8033	3.4120	19.8807	<0.0001	0.0002
ENSG00000177311	ZBTB38	zinc finger and BTB domain containing 38 [Source:HGNC Symbol;Acc:HGNC:26636]	protein coding	-0.8028	4.3165	23.6233	<0.0001	<0.0001
ENSG00000005238	FAM214B	family with sequence similarity 214 member B [Source:HGNC Symbol;Acc:HGNC:25666]	protein coding	0.8026	5.7307	41.4117	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000130396	AFDN	afadin, adherens junction formation factor [Source:HGNC Symbol;Acc:HGNC:7137]	protein coding	0.8024	1.3620	7.6898	0.0056	0.026
ENSG00000165548	TMEM63C	transmembrane 63C [Source:HGNC Symbol;Acc:HGNC:23787]	protein coding	0.8022	2.4915	10.1333	0.0015	0.0095
ENSG00000188313	PLSCR1	phospholipid scramblase 1 [Source:HGNC Symbol;Acc:HGNC:9092]	protein coding	0.8021	5.2875	27.2775	<0.0001	<0.0001
ENSG00000213079	SCAF8	SR-related CTD associated factor 8 [Source:HGNC Symbol;Acc:HGNC:20959]	protein coding	-0.8016	5.4169	14.1556	0.0002	0.0019
ENSG00000140090	SLC24A4	solute carrier family 24 member 4 [Source:HGNC Symbol;Acc:HGNC:10978]	protein coding	0.8005	4.5606	21.7607	<0.0001	<0.0001
ENSG00000250182	EEF1A1P13	eukaryotic translation elongation factor 1 alpha 1 pseudogene 13 [Source:HGNC Symbol;Acc:HGNC:3196]	processed pseudo-gene	-0.7994	6.0837	27.9393	<0.0001	<0.0001
ENSG00000198786	MT-ND5	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 5 [Source:HGNC Symbol;Acc:HGNC:7461]	protein coding	-0.7990	11.6555	21.9005	<0.0001	<0.0001
ENSG00000185338	SOCS1	suppressor of cytokine signaling 1 [Source:HGNC Symbol;Acc:HGNC:19383]	protein coding	0.7983	2.8861	9.7299	0.0018	0.0113
ENSG00000145936	KCNMB1	potassium calcium-activated channel subfamily M regulatory beta subunit 1 [Source:HGNC Symbol;Acc:HGNC:6285]	protein coding	0.7982	2.7889	12.6212	0.0004	0.0035
ENSG00000162174	ASRGL1	asparaginase and isoaspartyl peptidase 1 [Source:HGNC Symbol;Acc:HGNC:16448]	protein coding	0.7980	2.3432	11.2861	0.0008	0.006
ENSG00000211694	TRGV10	T cell receptor gamma variable 10 (non-functional) [Source:HGNC Symbol;Acc:HGNC:12285]	TR V gene	-0.7971	2.9921	9.9179	0.0016	0.0105

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000179840	PIK3CD-AS1	PIK3CD antisense 1 [Source:HGNC Symbol;Acc:HGNC:32346]	RNA lncRNA	0.7961	1.5516	6.5948	0.0102	0.0408
ENSG00000137501	SYTL2	synaptotagmin like 2 [Source:HGNC Symbol;Acc:HGNC:15585]	protein coding	-0.7961	4.1982	21.7332	<0.0001	<0.0001
ENSG00000092068	SLC7A8	solute carrier family 7 member 8 [Source:HGNC Symbol;Acc:HGNC:11066]	protein coding	-0.7954	2.2537	6.7509	0.0094	0.0383
ENSG00000116157	GPX7	glutathione peroxidase 7 [Source:HGNC Symbol;Acc:HGNC:4559]	protein coding	-0.7945	5.2372	36.7069	<0.0001	<0.0001
ENSG00000275895	U2AF1L5	U2 small nuclear RNA auxiliary factor 1 like 5 [Source:HGNC Symbol;Acc:HGNC:51830]	protein coding	0.7940	3.3996	11.4500	0.0007	0.0056
ENSG00000125249	RAP2A	RAP2A, member of RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9861]	protein coding	-0.7937	4.4984	17.2835	<0.0001	0.0005
ENSG00000135999	EPC2	enhancer of polycomb homolog 2 [Source:HGNC Symbol;Acc:HGNC:24543]	protein coding	-0.7930	4.9674	17.3365	<0.0001	0.0005
ENSG00000196247	ZNF107	zinc finger protein 107 [Source:HGNC Symbol;Acc:HGNC:12887]	protein coding	-0.7926	4.0813	13.4147	0.0002	0.0025
ENSG00000116704	SLC35D1	solute carrier family 35 member D1 [Source:HGNC Symbol;Acc:HGNC:20800]	protein coding	-0.7924	4.6944	12.2950	0.0005	0.004
ENSG00000137492	THAP12	THAP domain containing 12 [Source:HGNC Symbol;Acc:HGNC:9440]	protein coding	-0.7921	5.9885	25.4479	<0.0001	<0.0001
ENSG00000130881	LRP3	LDL receptor related protein 3 [Source:HGNC Symbol;Acc:HGNC:6695]	protein coding	0.7915	2.1458	9.9806	0.0016	0.0102
ENSG00000165929	TC2N	tandem C2 domains, nuclear [Source:HGNC Symbol;Acc:HGNC:19859]	protein coding	-0.7915	6.4086	20.2931	<0.0001	0.0001
ENSG00000204604	ZNF468	zinc finger protein 468 [Source:HGNC Symbol;Acc:HGNC:33105]	protein coding	-0.7915	4.0259	10.8748	0.001	0.0071

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000116017	ARID3A	AT-rich interaction domain 3A [Source:HGNC Symbol;Acc:HGNC:3031]	protein coding	0.7889	5.3359	18.4851	<0.0001	0.0003
ENSG00000100926	TM9SF1	transmembrane 9 superfamily member 1 [Source:HGNC Symbol;Acc:HGNC:11864]	protein coding	0.7888	1.6833	9.1888	0.0024	0.0141
ENSG00000167705	RILP	Rab interacting lysosomal protein [Source:HGNC Symbol;Acc:HGNC:30266]	protein coding	0.7884	2.9969	18.9053	<0.0001	0.0003
ENSG00000197852	INKA2	ink box actin regulator 2 [Source:HGNC Symbol;Acc:HGNC:28045]	protein coding	0.7879	3.5992	17.5397	<0.0001	0.0005
ENSG00000241007	SEPTIN7P6	septin 7 pseudogene 6 [Source:HGNC Symbol;Acc:HGNC:38042]	processed pseudogene	-0.7879	3.2403	11.2090	0.0008	0.0061
ENSG00000105404	RABAC1	Rab acceptor 1 [Source:HGNC Symbol;Acc:HGNC:9794]	protein coding	0.7876	3.9761	12.6121	0.0004	0.0035
ENSG00000169629	RGPD8	RANBP2 like and GRIP domain containing 8 [Source:HGNC Symbol;Acc:HGNC:9849]	protein coding	-0.7874	1.9558	6.5268	0.0106	0.0419
ENSG00000232818	RPS2P32	ribosomal protein S2 pseudogene 32 [Source:HGNC Symbol;Acc:HGNC:30518]	processed pseudogene	0.7867	1.5265	8.3133	0.0039	0.0202
ENSG00000174837	ADGRE1	adhesion G protein-coupled receptor E1 [Source:HGNC Symbol;Acc:HGNC:3336]	protein coding	0.7864	5.4643	40.3056	<0.0001	<0.0001
ENSG00000011600	TYROBP	transmembrane immune signaling adaptor TYROBP [Source:HGNC Symbol;Acc:HGNC:12449]	protein coding	0.7859	8.6038	30.7033	<0.0001	<0.0001
ENSG00000150054	MPP7	membrane palmitoylated protein 7 [Source:HGNC Symbol;Acc:HGNC:26542]	protein coding	-0.7853	3.9418	21.0761	<0.0001	0.0001
ENSG00000213290	PGK1P2	phosphoglycerate kinase 1, pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:8899]	processed pseudogene	-0.7851	2.2728	6.1948	0.0128	0.0483
ENSG00000271856	LINC01215	long intergenic non-protein coding RNA 1215 [Source:HGNC Symbol;Acc:HGNC:49651]	lncRNA	-0.7850	5.1737	28.7419	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000228960	OR2A9P	olfactory receptor family 2 subfamily A member 9 pseudogene [Source:HGNC Symbol;Acc:HGNC:8236]	transcribed unprocessed pseudo-gene	-0.7849	1.8003	6.6644	0.0098	0.0396
ENSG00000225630	MTND2P28	MT-ND2 pseudogene 28 [Source:HGNC Symbol;Acc:HGNC:42129]	unprocessed pseudo-gene	-0.7846	8.4310	19.5085	<0.0001	0.0002
ENSG00000254470	AP5B1	adaptor related protein complex 5 subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:25104]	protein coding	0.7841	5.5050	34.2105	<0.0001	<0.0001
ENSG00000115464	USP34	ubiquitin specific peptidase 34 [Source:HGNC Symbol;Acc:HGNC:20066]	protein coding	-0.7839	6.2055	22.1146	<0.0001	<0.0001
ENSG00000088812	ATRN	attractin [Source:HGNC Symbol;Acc:HGNC:885]	protein coding	-0.7839	4.3402	17.7085	<0.0001	0.0004
ENSG00000223799	IL10RB-DT	IL10RB divergent transcript [Source:HGNC Symbol;Acc:HGNC:44303]	lncRNA	0.7837	2.0851	9.2435	0.0024	0.0138
ENSG00000111371	SLC38A1	solute carrier family 38 member 1 [Source:HGNC Symbol;Acc:HGNC:13447]	protein coding	-0.7835	7.3469	25.2475	<0.0001	<0.0001
ENSG00000213096	ZNF254	zinc finger protein 254 [Source:HGNC Symbol;Acc:HGNC:13047]	protein coding	-0.7832	3.0931	15.0621	0.0001	0.0013
ENSG00000154511	DIPK1A	divergent protein kinase domain 1A [Source:HGNC Symbol;Acc:HGNC:32213]	protein coding	-0.7818	4.2774	17.8935	<0.0001	0.0004
ENSG00000123700	KCNJ2	potassium inwardly rectifying channel subfamily J member 2 [Source:HGNC Symbol;Acc:HGNC:6263]	protein coding	0.7810	2.3016	8.4268	0.0037	0.0192
ENSG00000163110	PDLIM5	PDZ and LIM domain 5 [Source:HGNC Symbol;Acc:HGNC:17468]	protein coding	0.7809	5.5226	14.4534	0.0001	0.0017

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000248334	WHAMMP2	WAS protein homolog associated with actin, golgi membranes and microtubules pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:32360]	transcribed unprocessed pseudo-gene	-0.7795	2.7985	10.5947	0.0011	0.0079
ENSG00000135929	CYP27A1	cytochrome P450 family 27 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:2605]	protein coding	-0.7788	2.8097	9.1398	0.0025	0.0144
ENSG00000011422	PLAUR	plasminogen activator, urokinase receptor [Source:HGNC Symbol;Acc:HGNC:9053]	protein coding	0.7785	4.9870	31.0541	<0.0001	<0.0001
ENSG00000248727	LINC01948	long intergenic non-protein coding RNA 1948 [Source:HGNC Symbol;Acc:HGNC:52772]	lncRNA	0.7783	1.3352	8.7125	0.0032	0.0172
ENSG00000117602	RCAN3	RCAN family member 3 [Source:HGNC Symbol;Acc:HGNC:3042]	protein coding	-0.7783	7.0372	27.4039	<0.0001	<0.0001
ENSG00000130363	RSPH3	radial spoke head 3 [Source:HGNC Symbol;Acc:HGNC:21054]	protein coding	0.7782	3.1766	13.9106	0.0002	0.0021
ENSG00000163349	HIPK1	homeodomain interacting protein kinase 1 [Source:HGNC Symbol;Acc:HGNC:19006]	protein coding	-0.7782	6.3141	20.4813	<0.0001	0.0001
ENSG00000132669	RIN2	Ras and Rab interactor 2 [Source:HGNC Symbol;Acc:HGNC:18750]	protein coding	0.7777	3.9106	19.9190	<0.0001	0.0002
ENSG00000080824	HSP90AA1	heat shock protein 90 alpha family class A member 1 [Source:HGNC Symbol;Acc:HGNC:5253]	protein coding	0.7774	9.1960	26.6331	<0.0001	<0.0001
ENSG00000203666	EFCAB2	EF-hand calcium binding domain 2 [Source:HGNC Symbol;Acc:HGNC:28166]	protein coding	0.7771	2.0625	7.0037	0.0081	0.0346
ENSG00000245849	RAD51-AS1	RAD51 antisense 1 [Source:HGNC Symbol;Acc:HGNC:48621]	lncRNA	0.7771	3.7675	12.6072	0.0004	0.0035
ENSG00000170365	SMAD1	SMAD family member 1 [Source:HGNC Symbol;Acc:HGNC:6767]	protein coding	0.7769	2.3001	8.1681	0.0043	0.0214

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000164483	SAMD3	sterile alpha motif domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21574]	protein coding	-0.7766	5.6864	29.3118	<0.0001	<0.0001
ENSG00000066651	TRMT11	tRNA methyltransferase 11 homolog [Source:HGNC Symbol;Acc:HGNC:21080]	protein coding	-0.7765	2.8290	14.2674	0.0002	0.0018
ENSG00000135637	CCDC142	coiled-coil domain containing 142 [Source:HGNC Symbol;Acc:HGNC:25889]	protein coding	0.7762	4.7805	12.2168	0.0005	0.0041
ENSG00000163807	KIAA1143	KIAA1143 [Source:HGNC Symbol;Acc:HGNC:29198]	protein coding	-0.7760	4.6704	18.0572	<0.0001	0.0004
ENSG00000111684	LPCAT3	lysophosphatidylcholine acyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:30244]	protein coding	-0.7757	2.2869	8.2230	0.0041	0.021
ENSG00000163519	TRAT1	T cell receptor associated transmembrane adaptor 1 [Source:HGNC Symbol;Acc:HGNC:30698]	protein coding	-0.7754	6.1476	13.9933	0.0002	0.002
ENSG00000014914	MTMR11	myotubularin related protein 11 [Source:HGNC Symbol;Acc:HGNC:24307]	protein coding	0.7750	4.1775	27.2351	<0.0001	<0.0001
ENSG00000147533	GOLGA7	golgin A7 [Source:HGNC Symbol;Acc:HGNC:24876]	protein coding	-0.7746	3.8835	15.1567	<0.0001	0.0013
ENSG00000258867	LINC01146	long intergenic non-protein coding RNA 1146 [Source:HGNC Symbol;Acc:HGNC:49467]	lncRNA	0.7745	1.2826	8.5044	0.0035	0.0186
ENSG00000172469	MANEA	mannosidase endo-alpha [Source:HGNC Symbol;Acc:HGNC:21072]	protein coding	-0.7738	3.3968	13.0688	0.0003	0.0029
ENSG00000124570	SERPINB6	serpin family B member 6 [Source:HGNC Symbol;Acc:HGNC:8950]	protein coding	0.7725	5.7086	34.0167	<0.0001	<0.0001
ENSG00000124813	RUNX2	RUNX family transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:10472]	protein coding	-0.7724	3.1931	10.8153	0.001	0.0072
ENSG00000125505	MBOAT7	membrane bound O-acyltransferase domain containing 7 [Source:HGNC Symbol;Acc:HGNC:15505]	protein coding	0.7721	5.8190	28.3298	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000125650	PSPN	persephin [Source:HGNC Symbol;Acc:HGNC:9579]	protein coding	0.7721	1.6352	7.4998	0.0062	0.028
ENSG00000232216	IGHV3-43	immunoglobulin heavy variable 3-43 [Source:HGNC Symbol;Acc:HGNC:5604]	IG V gene	-0.7719	3.3251	11.1550	0.0008	0.0063
ENSG00000100934	SEC23A	Sec23 homolog A, COPII coat complex component [Source:HGNC Symbol;Acc:HGNC:10701]	protein coding	-0.7717	4.2970	17.7941	<0.0001	0.0004
ENSG00000100522	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:19980]	protein coding	-0.7716	2.4428	10.8069	0.001	0.0072
ENSG00000168610	STAT3	signal transducer and activator of transcription 3 [Source:HGNC Symbol;Acc:HGNC:11364]	protein coding	0.7714	7.7190	22.3946	<0.0001	<0.0001
ENSG00000064313	TAF2	TATA-box binding protein associated factor 2 [Source:HGNC Symbol;Acc:HGNC:11536]	protein coding	-0.7714	4.3458	13.9901	0.0002	0.002
ENSG00000255197		novel transcript	lncRNA	0.7714	6.0409	14.2796	0.0002	0.0018
ENSG00000169692	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:325]	protein coding	0.7713	4.5623	20.6450	<0.0001	0.0001
ENSG00000081237	PTPRC	protein tyrosine phosphatase receptor type C [Source:HGNC Symbol;Acc:HGNC:9666]	protein coding	-0.7709	9.6711	23.2151	<0.0001	<0.0001
ENSG00000010818	HIVEP2	HIVEP zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:4921]	protein coding	-0.7702	6.0824	25.5657	<0.0001	<0.0001
ENSG00000174516	PELI3	pellino E3 ubiquitin protein ligase family member 3 [Source:HGNC Symbol;Acc:HGNC:30010]	protein coding	0.7702	2.6621	14.3849	0.0001	0.0017
ENSG00000135218	CD36	CD36 molecule [Source:HGNC Symbol;Acc:HGNC:1663]	protein coding	0.7701	5.9142	26.1196	<0.0001	<0.0001
ENSG00000196141	SPATS2L	spermatogenesis associated serine rich 2 like [Source:HGNC Symbol;Acc:HGNC:24574]	protein coding	0.7699	3.2000	11.4776	0.0007	0.0055

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000108474	PIGL	phosphatidylinositol anchor biosynthesis L [Source:HGNC Symbol;Acc:HGNC:8966]	glycan class coding protein	-0.7699	3.6780	17.5506	<0.0001	0.0005
ENSG00000173214	MFSD4B	major facilitator super-family domain containing 4B [Source:HGNC Symbol;Acc:HGNC:21053]	protein coding	0.7695	4.1869	12.0577	0.0005	0.0044
ENSG00000267920	SNX6P1	sorting nexin 6 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:41511]	processed pseudo-gene	-0.7693	1.8983	8.2335	0.0041	0.0209
ENSG00000126804	ZBTB1	zinc finger and BTB domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20259]	protein coding	-0.7686	6.0596	11.9791	0.0005	0.0045
ENSG00000206567	FAM207A	novel transcript	lncRNA	0.7684	1.8127	7.1714	0.0074	0.0321
ENSG00000160256		family with sequence similarity 207 member A [Source:HGNC Symbol;Acc:HGNC:15811]	protein coding	0.7682	2.9811	8.9610	0.0028	0.0154
ENSG00000089685	BIRC5	baculoviral IAP repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:593]	protein coding	0.7680	3.4005	7.9896	0.0047	0.0231
ENSG00000145428	RNF175	ring finger protein 175 [Source:HGNC Symbol;Acc:HGNC:27735]	protein coding	0.7678	1.5960	8.6143	0.0033	0.0179
ENSG00000198551	ZNF627	zinc finger protein 627 [Source:HGNC Symbol;Acc:HGNC:30570]	protein coding	-0.7677	3.2076	7.8166	0.0052	0.0248
ENSG00000134864	GGACT	gamma-glutamylamine transferase [Source:HGNC Symbol;Acc:HGNC:25100]	protein coding	-0.7674	2.2385	7.7621	0.0053	0.0253
ENSG00000127311	HELB	DNA helicase B [Source:HGNC Symbol;Acc:HGNC:17196]	protein coding	-0.7673	3.3735	10.6777	0.0011	0.0076
ENSG00000225159	NPM1P39	nucleophosmin 1 pseudogene 39 [Source:HGNC Symbol;Acc:HGNC:45218]	processed pseudo-gene	-0.7673	3.0616	13.1918	0.0003	0.0028
ENSG00000137040	RANBP6	RAN binding protein 6 [Source:HGNC Symbol;Acc:HGNC:9851]	protein coding	-0.7672	5.3441	16.3134	<0.0001	0.0008

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000118496	FBXO30	F-box protein 30 [Source:HGNC Symbol;Acc:HGNC:15600]	protein coding	-0.7668	3.3986	10.0612	0.0015	0.0098
ENSG00000197603	CPLANE1	ciliogenesis and planar polarity effector 1 [Source:HGNC Symbol;Acc:HGNC:25801]	protein coding	-0.7661	3.1254	11.4371	0.0007	0.0056
ENSG00000261150	EPPK1	epiplakin 1 [Source:HGNC Symbol;Acc:HGNC:15577]	protein coding	-0.7661	2.3476	14.5923	0.0001	0.0016
ENSG00000048991	R3HDM1	R3H domain containing 1 [Source:HGNC Symbol;Acc:HGNC:9757]	protein coding	-0.7660	5.2833	29.3665	<0.0001	<0.0001
ENSG00000126458	RRAS	RAS related [Source:HGNC Symbol;Acc:HGNC:10447]	protein coding	0.7658	5.3519	26.9429	<0.0001	<0.0001
ENSG00000242086	MUC20-OT1	MUC20 overlapping transcript [Source:HGNC Symbol;Acc:HGNC:53807]	lncRNA	0.7654	4.6919	11.1675	0.0008	0.0063
ENSG00000117322	CR2	complement C3d receptor 2 [Source:HGNC Symbol;Acc:HGNC:2336]	protein coding	-0.7638	5.4210	14.0327	0.0002	0.002
ENSG00000241839	PLEKHO2	pleckstrin homology domain containing O2 [Source:HGNC Symbol;Acc:HGNC:30026]	protein coding	0.7633	6.8669	26.9598	<0.0001	<0.0001
ENSG00000177173	NAP1L4P1	nucleosome assembly protein 1 like 4 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:39740]	processed pseudo-gene	-0.7633	1.6825	8.3728	0.0038	0.0197
ENSG00000060138	YBX3	Y-box binding protein 3 [Source:HGNC Symbol;Acc:HGNC:2428]	protein coding	0.7632	7.8465	31.1732	<0.0001	<0.0001
ENSG00000187010	RHD	Rh blood group D antigen [Source:HGNC Symbol;Acc:HGNC:10009]	protein coding	0.7632	2.8810	9.8067	0.0017	0.0109
ENSG00000171643	S100Z	S100 calcium binding protein Z [Source:HGNC Symbol;Acc:HGNC:30367]	protein coding	0.7628	1.6946	12.2998	0.0005	0.004
ENSG00000121552	CSTA	cystatin A [Source:HGNC Symbol;Acc:HGNC:2481]	protein coding	0.7628	5.5415	32.3630	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000282600	IGHV3-69-1	immunoglobulin heavy variable 3-69-1 (pseudo-gene) [Source:HGNC Symbol;Acc:HGNC:5631]	IG V pseudo-gene	-0.7620	1.9579	9.0234	0.0027	0.0151
ENSG00000241399	CD302	CD302 molecule [Source:HGNC Symbol;Acc:HGNC:30843]	protein coding	0.7614	1.4200	7.4878	0.0062	0.0281
ENSG00000124406	ATP8A1	ATPase phospholipid transporting 8A1 [Source:HGNC Symbol;Acc:HGNC:13531]	protein coding	-0.7611	5.3679	16.7053	<0.0001	0.0007
ENSG00000138829	FBN2	fibrillin 2 [Source:HGNC Symbol;Acc:HGNC:3604]	protein coding	0.7609	2.1192	10.2616	0.0014	0.009
ENSG00000091409	ITGA6	integrin subunit alpha 6 [Source:HGNC Symbol;Acc:HGNC:6142]	protein coding	-0.7609	6.3306	16.3630	<0.0001	0.0008
ENSG00000001561	ENPP4	ectonucleotide pyrophosphatase/phosphodiesterase 4 [Source:HGNC Symbol;Acc:HGNC:3359]	protein coding	-0.7608	3.5391	8.4681	0.0036	0.0189
ENSG00000183779	ZNF703	zinc finger protein 703 [Source:HGNC Symbol;Acc:HGNC:25883]	protein coding	0.7605	4.3564	17.1341	<0.0001	0.0006
ENSG00000146828	SLC12A9	solute carrier family 12 member 9 [Source:HGNC Symbol;Acc:HGNC:17435]	protein coding	0.7604	6.1805	24.5288	<0.0001	<0.0001
ENSG00000091436	MAP3K20	mitogen-activated protein kinase kinase 20 [Source:HGNC Symbol;Acc:HGNC:17797]	protein coding	0.7597	3.7231	16.3894	<0.0001	0.0008
ENSG00000175489	LRRC25	leucine rich repeat containing 25 [Source:HGNC Symbol;Acc:HGNC:29806]	protein coding	0.7593	6.9839	25.6414	<0.0001	<0.0001
ENSG00000116701	NCF2	neutrophil cytosolic factor 2 [Source:HGNC Symbol;Acc:HGNC:7661]	protein coding	0.7593	6.9552	37.3391	<0.0001	<0.0001
ENSG00000226054	MEMO1P1	mediator of cell motility 1 pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:23274]	processed pseudo-gene	-0.7592	1.5668	7.9281	0.0049	0.0237
ENSG00000141526	SLC16A3	solute carrier family 16 member 3 [Source:HGNC Symbol;Acc:HGNC:10924]	protein coding	0.7592	5.3984	23.5922	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000168229	PTGDR	prostaglandin D2 receptor [Source:HGNC Symbol;Acc:HGNC:9591]	protein coding	-0.7591	2.9608	10.9023	0.001	0.007
ENSG00000204482	LST1	leukocyte specific transcript 1 [Source:HGNC Symbol;Acc:HGNC:14189]	protein coding	0.7589	7.9037	33.8239	<0.0001	<0.0001
ENSG00000152495	CAMK4	calcium/calmodulin dependent protein kinase IV [Source:HGNC Symbol;Acc:HGNC:1464]	protein coding	-0.7586	6.6659	26.4036	<0.0001	<0.0001
ENSG00000117054	ACADM	acyl-CoA dehydrogenase medium chain [Source:HGNC Symbol;Acc:HGNC:89]	protein coding	-0.7585	4.5250	13.8015	0.0002	0.0022
ENSG00000068079	IFI35	interferon induced 35 [Source:HGNC Symbol;Acc:HGNC:5399]	protein coding	0.7583	6.3860	22.0761	<0.0001	<0.0001
ENSG00000119922	IFIT2	interferon induced with tetratricopeptide repeats 2 [Source:HGNC Symbol;Acc:HGNC:5409]	protein coding	0.7583	5.5311	10.2807	0.0013	0.009
ENSG00000100364	KIAA0930	KIAA0930 [Source:HGNC Symbol;Acc:HGNC:1314]	protein coding	0.7583	7.6453	30.7921	<0.0001	<0.0001
ENSG00000125107	CNOT1	CCR4-NOT transcription complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:7877]	protein coding	-0.7583	6.7384	23.4637	<0.0001	<0.0001
ENSG00000143324	XPR1	xenotropic and polytropic retrovirus receptor 1 [Source:HGNC Symbol;Acc:HGNC:12827]	protein coding	-0.7578	3.8912	13.5737	0.0002	0.0024
ENSG00000100644	HIF1A	hypoxia inducible factor 1 subunit alpha [Source:HGNC Symbol;Acc:HGNC:4910]	protein coding	-0.7578	5.2595	11.1030	0.0009	0.0064
ENSG00000211648	IGLV1-47	immunoglobulin lambda variable 1-47 [Source:HGNC Symbol;Acc:HGNC:5880]	IG V gene	-0.7571	4.5785	14.6967	0.0001	0.0015
ENSG00000168813	ZNF507	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	protein coding	-0.7552	4.8019	14.3975	0.0001	0.0017
ENSG00000164733	CTSB	cathepsin B [Source:HGNC Symbol;Acc:HGNC:2527]	protein coding	0.7551	8.6869	33.0496	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000173276	ZBTB21	zinc finger and BTB domain containing 21 [Source:HGNC Symbol;Acc:HGNC:13083]	protein coding	-0.7551	3.9853	13.6292	0.0002	0.0023
ENSG00000117569	PTBP2	polypyrimidine tract binding protein 2 [Source:HGNC Symbol;Acc:HGNC:17662]	protein coding	-0.7545	3.9209	17.1047	<0.0001	0.0006
ENSG00000253954	HMGNI38	high mobility group nucleosome binding domain 1 pseudogene 38 [Source:HGNC Symbol;Acc:HGNC:39422]	processed pseudo-gene	-0.7545	4.4030	7.9816	0.0047	0.0232
ENSG00000134243	SORT1	sortilin 1 [Source:HGNC Symbol;Acc:HGNC:11186]	protein coding	0.7542	5.4161	15.6628	<0.0001	0.001
ENSG00000113838	TBCCD1	TBCC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25546]	protein coding	-0.7541	3.4605	12.1888	0.0005	0.0041
ENSG00000265148	TSPOAP1-AS1	TSPOAP1, SUPT4H1 and RNF43 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44148]	lncRNA	-0.7541	4.0333	12.7409	0.0004	0.0033
ENSG00000173559	NABP1	nucleic acid binding protein 1 [Source:HGNC Symbol;Acc:HGNC:26232]	protein coding	0.7530	4.6558	29.2950	<0.0001	<0.0001
ENSG00000211714	TRBV7-3	T cell receptor beta variable 7-3 [Source:HGNC Symbol;Acc:HGNC:12237]	TR V gene	-0.7529	3.0315	10.7283	0.0011	0.0075
ENSG00000181036	FCRL6	Fc receptor like 6 [Source:HGNC Symbol;Acc:HGNC:31910]	protein coding	-0.7524	5.0832	22.2734	<0.0001	<0.0001
ENSG00000141446	ESCO1	establishment of sister chromatid cohesion N-acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:24645]	protein coding	-0.7521	4.6125	18.5660	<0.0001	0.0003
ENSG00000154027	AK5	adenylate kinase 5 [Source:HGNC Symbol;Acc:HGNC:365]	protein coding	-0.7515	4.1833	28.6195	<0.0001	<0.0001
ENSG00000115827	DCAF17	DDB1 and CUL4 associated factor 17 [Source:HGNC Symbol;Acc:HGNC:25784]	protein coding	-0.7512	4.4466	8.7057	0.0032	0.0172

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000186272	ZNF17	zinc finger protein 17 [Source:HGNC Symbol;Acc:HGNC:12958]	protein coding	-0.7509	2.5851	6.2858	0.0122	0.0464
ENSG00000156802	ATAD2	ATPase family AAA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30123]	protein coding	-0.7505	3.2419	6.4657	0.011	0.0429
ENSG00000255284		novel transcript	lncRNA	0.7489	2.1315	6.3509	0.0117	0.0452
ENSG00000211734	TRBV5-1	T cell receptor beta variable 5-1 [Source:HGNC Symbol;Acc:HGNC:12218]	TR V gene	-0.7485	4.7923	21.8498	<0.0001	<0.0001
ENSG00000171488	LRRC8C	leucine rich repeat containing 8 VRAC subunit C [Source:HGNC Symbol;Acc:HGNC:25075]	protein coding	-0.7480	6.3319	18.5626	<0.0001	0.0003
ENSG00000144152	FBLN7	fibulin 7 [Source:HGNC Symbol;Acc:HGNC:26740]	protein coding	-0.7476	2.7072	11.1127	0.0009	0.0064
ENSG00000115355	CCDC88A	coiled-coil domain containing 88A [Source:HGNC Symbol;Acc:HGNC:25523]	protein coding	0.7476	5.6851	11.9229	0.0006	0.0046
ENSG00000105514	RAB3D	RAB3D, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9779]	protein coding	0.7474	4.6697	18.9701	<0.0001	0.0003
ENSG00000103550	KNOP1	lysine rich nucleolar protein 1 [Source:HGNC Symbol;Acc:HGNC:34404]	protein coding	0.7473	4.4850	13.7890	0.0002	0.0022
ENSG00000256043	CTSO	cathepsin O [Source:HGNC Symbol;Acc:HGNC:2542]	protein coding	-0.7471	4.4885	16.1916	<0.0001	0.0008
ENSG00000253998	IGKV2-29	immunoglobulin kappa variable 2-29 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:5784]	IG V pseudogene	-0.7471	3.1768	6.2348	0.0125	0.0474
ENSG00000230006	ANKRD36BP2	ankyrin repeat domain 36B pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:33607]	transcribed unprocessed pseudogene	-0.7469	2.4040	6.9573	0.0083	0.0352
ENSG00000112144	CILK1	ciliogenesis associated kinase 1 [Source:HGNC Symbol;Acc:HGNC:21219]	protein coding	-0.7465	4.2268	21.8138	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000174501	ANKRD36C	ankyrin repeat domain 36C [Source:HGNC Sym- bol;Acc:HGNC:32946]	protein coding	0.7463	4.2743	8.2978	0.004	0.0203
ENSG00000068305	MEF2A	myocyte enhancer factor 2A [Source:HGNC Sym- bol;Acc:HGNC:6993]	protein coding	-0.7460	5.4872	19.8850	<0.0001	0.0002
ENSG00000177463	NR2C2	nuclear receptor subfam- ily 2 group C member 2 [Source:HGNC Sym- bol;Acc:HGNC:7972]	protein coding	-0.7459	5.2267	18.7472	<0.0001	0.0003
ENSG00000011198	ABHD5	abhydrolase domain contain- ing 5 [Source:HGNC Sym- bol;Acc:HGNC:21396]	protein coding	0.7450	4.1154	15.0188	0.0001	0.0013
ENSG00000186174	BCL9L	BCL9 like [Source:HGNC Sym- bol;Acc:HGNC:23688]	protein coding	-0.7448	6.4372	37.3477	<0.0001	<0.0001
ENSG000000259856	RAB43P1	RAB43 pseudogene 1 [Source:HGNC Sym- bol;Acc:HGNC:33153]	processed pseudo- gene	-0.7444	1.9738	12.4534	0.0004	0.0037
ENSG00000169896	ITGAM	integrin subunit alpha M [Source:HGNC Sym- bol;Acc:HGNC:6149]	protein coding	0.7440	6.9428	21.1619	<0.0001	0.0001
ENSG00000149308	NPAT	nuclear protein, coactivator of his- tone transcription [Source:HGNC Symbol;Acc:HGNC:7896]	protein coding	-0.7440	5.5240	26.9328	<0.0001	<0.0001
ENSG00000125538	IL1B	interleukin 1 beta [Source:HGNC Symbol;Acc:HGNC:5992]	protein coding	0.7439	3.5020	10.0738	0.0015	0.0098
ENSG00000146757	ZNF92	zinc finger protein 92 [Source:HGNC Sym- bol;Acc:HGNC:13168]	protein coding	-0.7438	4.3494	10.1680	0.0014	0.0094
ENSG000000223825	DAZAP2P1	DAZ associated protein 2 pseu- dogene 1 [Source:HGNC Sym- bol;Acc:HGNC:43869]	processed pseudo- gene	-0.7438	2.7822	10.1375	0.0015	0.0095
ENSG00000146842	TMEM209	transmembrane protein 209 [Source:HGNC Sym- bol;Acc:HGNC:21898]	protein coding	-0.7436	4.1392	17.7388	<0.0001	0.0004
ENSG000000273654		citrate synthase (CS) pseudogene	transcribed processed pseudo- gene	-0.7435	2.0249	9.4296	0.0021	0.0128

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000236456		density-regulated protein (DENR) pseudogene	processed pseudo-gene	-0.7428	1.2690	9.1675	0.0025	0.0142
ENSG00000177425	PAWR	pro-apoptotic WT1 regulator [Source:HGNC Symbol;Acc:HGNC:8614]	protein coding	0.7419	3.4920	12.2494	0.0005	0.004
ENSG00000118922	KLF12	Kruppel like factor 12 [Source:HGNC Symbol;Acc:HGNC:6346]	protein coding	-0.7415	5.7215	25.3038	<0.0001	<0.0001
ENSG00000184988	TMEM106A	transmembrane protein 106A [Source:HGNC Symbol;Acc:HGNC:28288]	protein coding	0.7412	4.4305	16.3196	<0.0001	0.0008
ENSG00000119787	ATL2	atlastin GTPase 2 [Source:HGNC Symbol;Acc:HGNC:24047]	protein coding	-0.7409	4.7003	6.1939	0.0128	0.0483
ENSG00000172915	NBEA	neurobeachin [Source:HGNC Symbol;Acc:HGNC:7648]	protein coding	-0.7406	1.5017	7.4958	0.0062	0.028
ENSG00000105088	OLFM2	olfactomedin 2 [Source:HGNC Symbol;Acc:HGNC:17189]	protein coding	-0.7406	4.6012	26.7802	<0.0001	<0.0001
ENSG00000023516	AKAP11	A-kinase anchoring protein 11 [Source:HGNC Symbol;Acc:HGNC:369]	protein coding	-0.7405	5.2641	22.7344	<0.0001	<0.0001
ENSG00000166881	NEMP1	nuclear envelope integral membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:29001]	protein coding	-0.7405	4.3435	11.5536	0.0007	0.0053
ENSG00000163406	SLC15A2	solute carrier family 15 member 2 [Source:HGNC Symbol;Acc:HGNC:10921]	protein coding	0.7399	3.2441	15.6657	<0.0001	0.001
ENSG00000168214	RBPJ	recombination signal binding protein for immunoglobulin kappa J region [Source:HGNC Symbol;Acc:HGNC:5724]	protein coding	0.7397	6.3517	12.5341	0.0004	0.0036
ENSG00000096433	ITPR3	inositol 1,4,5-trisphosphate receptor type 3 [Source:HGNC Symbol;Acc:HGNC:6182]	protein coding	-0.7391	5.6412	16.3021	<0.0001	0.0008
ENSG00000020577	SAMD4A	sterile alpha motif domain containing 4A [Source:HGNC Symbol;Acc:HGNC:23023]	protein coding	0.7390	2.7888	8.2538	0.0041	0.0207
ENSG00000004468	CD38	CD38 molecule [Source:HGNC Symbol;Acc:HGNC:1667]	protein coding	-0.7390	6.2380	24.7312	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000257122	RRN3P3	RRN3 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:37620]	transcribed unprocessed pseudo-gene	0.7388	4.3168	6.7335	0.0095	0.0386
ENSG00000158373	H2BC5	H2B clustered histone 5 [Source:HGNC Symbol;Acc:HGNC:4747]	protein coding	0.7383	3.4733	18.9184	<0.0001	0.0003
ENSG00000136908	DPM2	dolichyl-phosphate mannosyl-transferase subunit 2, regulatory [Source:HGNC Symbol;Acc:HGNC:3006]	protein coding	0.7381	5.9462	22.5614	<0.0001	<0.0001
ENSG00000234241		NS1-associated protein 1 (NSAP1) pseudogene	processed pseudo-gene	-0.7378	2.1489	7.9707	0.0048	0.0233
ENSG00000109743	BST1	bone marrow stromal cell antigen 1 [Source:HGNC Symbol;Acc:HGNC:1118]	protein coding	0.7369	4.6477	16.1943	<0.0001	0.0008
ENSG00000134326	CMPK2	cytidine/uridine monophosphate kinase 2 [Source:HGNC Symbol;Acc:HGNC:27015]	protein coding	0.7368	4.6251	8.9990	0.0027	0.0152
ENSG00000059758	CDK17	cyclin dependent kinase 17 [Source:HGNC Symbol;Acc:HGNC:8750]	protein coding	-0.7365	4.7657	17.6078	<0.0001	0.0005
ENSG00000187189	TSPYL4	TSPY like 4 [Source:HGNC Symbol;Acc:HGNC:21559]	protein coding	-0.7365	4.5328	12.6734	0.0004	0.0034
ENSG00000089057	SLC23A2	solute carrier family 23 member 2 [Source:HGNC Symbol;Acc:HGNC:10973]	protein coding	-0.7364	4.9207	15.0650	0.0001	0.0013
ENSG00000059728	MXD1	MAX dimerization protein 1 [Source:HGNC Symbol;Acc:HGNC:6761]	protein coding	0.7364	4.5454	14.6663	0.0001	0.0015
ENSG00000145241	CENPC	centromere protein C [Source:HGNC Symbol;Acc:HGNC:1854]	protein coding	-0.7363	3.8732	19.0717	<0.0001	0.0002
ENSG00000178951	ZBTB7A	zinc finger and BTB domain containing 7A [Source:HGNC Symbol;Acc:HGNC:18078]	protein coding	0.7352	7.3038	12.5841	0.0004	0.0035

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000066777	ARFGEF1	ADP ribosylation factor guanine nucleotide exchange factor 1 [Source:HGNC Symbol;Acc:HGNC:15772]	protein coding	-0.7351	5.8374	21.0082	<0.0001	0.0001
ENSG00000083444	PLOD1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:9081]	protein coding	0.7340	5.2071	21.4609	<0.0001	<0.0001
ENSG00000229097	CALM2P2	calmodulin 2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:1447]	processed pseudo-gene	-0.7332	2.5533	7.7758	0.0053	0.0252
ENSG00000127334	DYRK2	dual specificity tyrosine phosphorylation regulated kinase 2 [Source:HGNC Symbol;Acc:HGNC:3093]	protein coding	-0.7332	6.7336	21.1718	<0.0001	0.0001
ENSG00000181722	ZBTB20	zinc finger and BTB domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13503]	protein coding	0.7330	4.1201	8.0385	0.0046	0.0226
ENSG00000186260	MRTFB	myocardin related transcription factor B [Source:HGNC Symbol;Acc:HGNC:29819]	protein coding	-0.7327	3.3860	11.2424	0.0008	0.0061
ENSG00000196369	SRGAP2B	SLIT-ROBO Rho GTPase activating protein 2B [Source:HGNC Symbol;Acc:HGNC:35237]	protein coding	0.7326	2.3709	10.5420	0.0012	0.0081
ENSG00000197956	S100A6	S100 calcium binding protein A6 [Source:HGNC Symbol;Acc:HGNC:10496]	protein coding	0.7325	8.1934	39.2917	<0.0001	<0.0001
ENSG00000234444	ZNF736	zinc finger protein 736 [Source:HGNC Symbol;Acc:HGNC:32467]	protein coding	-0.7324	3.5106	9.1819	0.0024	0.0142
ENSG00000198804	MT-CO1	mitochondrially encoded cytochrome c oxidase I [Source:HGNC Symbol;Acc:HGNC:7419]	protein coding	-0.7322	14.2014	20.2973	<0.0001	0.0001
ENSG00000033327	GAB2	GRB2 associated binding protein 2 [Source:HGNC Symbol;Acc:HGNC:14458]	protein coding	0.7311	4.5068	24.2956	<0.0001	<0.0001
ENSG00000105835	NAMPT	nicotinamide phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:30092]	protein coding	0.7309	4.7724	21.1109	<0.0001	0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000260916	CCPG1	cell cycle progression 1 [Source:HGNC Symbol;Acc:HGNC:24227]	protein coding	0.7308	3.1952	8.7307	0.0031	0.017
ENSG00000158825	CDA	cytidine deaminase [Source:HGNC Symbol;Acc:HGNC:1712]	protein coding	0.7303	5.0617	15.9505	<0.0001	0.0009
ENSG00000227105	PARP1P1	poly(ADP-ribose) polymerase 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:275]	processed pseudo-gene	-0.7302	1.5889	6.5712	0.0104	0.0411
ENSG00000124831	LRRFIP1	LRR binding FLII interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:6702]	protein coding	0.7291	8.9762	13.6129	0.0002	0.0023
ENSG00000261824	LINC00662	long intergenic non-protein coding RNA 662 [Source:HGNC Symbol;Acc:HGNC:27122]	lncRNA	0.7291	4.1295	9.9289	0.0016	0.0104
ENSG00000164284	GRPEL2	GrpE like 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:21060]	protein coding	-0.7290	4.3307	14.1773	0.0002	0.0019
ENSG00000158615	PPP1R15B	protein phosphatase 1 regulatory subunit 15B [Source:HGNC Symbol;Acc:HGNC:14951]	protein coding	-0.7290	6.4088	16.9379	<0.0001	0.0006
ENSG00000131069	ACSS2	acyl-CoA synthetase short chain family member 2 [Source:HGNC Symbol;Acc:HGNC:15814]	protein coding	0.7289	4.3789	26.9807	<0.0001	<0.0001
ENSG00000109787	KLF3	Kruppel like factor 3 [Source:HGNC Symbol;Acc:HGNC:16516]	protein coding	-0.7288	6.8290	22.1826	<0.0001	<0.0001
ENSG00000211668	IGLV2-11	immunoglobulin lambda variable 2-11 [Source:HGNC Symbol;Acc:HGNC:5887]	IG V gene	-0.7287	4.4381	17.4608	<0.0001	0.0005
ENSG00000096070	BRPF3	bromodomain and PHD finger containing 3 [Source:HGNC Symbol;Acc:HGNC:14256]	protein coding	-0.7287	4.8228	19.0899	<0.0001	0.0002
ENSG00000211934	IGHV1-2	immunoglobulin heavy variable 1-2 [Source:HGNC Symbol;Acc:HGNC:5550]	IG V gene	-0.7287	4.7829	11.6668	0.0006	0.0051
ENSG00000110446	SLC15A3	solute carrier family 15 member 3 [Source:HGNC Symbol;Acc:HGNC:18068]	protein coding	0.7286	5.3921	27.1672	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135776	ABCB10	ATP binding cassette subfamily B member 10 [Source:HGNC Symbol;Acc:HGNC:41]	protein coding	-0.7285	4.1402	18.2414	<0.0001	0.0003
ENSG00000005700	IBTK	inhibitor of Bruton tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:17853]	protein coding	-0.7279	4.5711	16.3258	<0.0001	0.0008
ENSG00000011028	MRC2	mannose receptor C type 2 [Source:HGNC Symbol;Acc:HGNC:16875]	protein coding	0.7279	3.4824	8.5169	0.0035	0.0185
ENSG00000242882	RPL5P11	ribosomal protein L5 pseudo-gene 11 [Source:HGNC Symbol;Acc:HGNC:35483]	processed pseudo-gene	-0.7275	1.4922	9.9293	0.0016	0.0104
ENSG00000132406	TMEM128	transmembrane protein 128 [Source:HGNC Symbol;Acc:HGNC:28201]	protein coding	-0.7274	3.8142	9.7205	0.0018	0.0113
ENSG00000155100	OTUD6B	OTU deubiquitinase 6B [Source:HGNC Symbol;Acc:HGNC:24281]	protein coding	-0.7272	2.5084	8.8785	0.0029	0.016
ENSG00000155893	PXYLP1	2-phosphoxylase phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:26303]	protein coding	-0.7269	3.9509	12.7506	0.0004	0.0033
ENSG00000178163	ZNF518B	zinc finger protein 518B [Source:HGNC Symbol;Acc:HGNC:29365]	protein coding	-0.7269	5.1538	13.4677	0.0002	0.0025
ENSG00000224411	HSP90AA2P	heat shock protein 90 alpha family class A member 2, pseudogene [Source:HGNC Symbol;Acc:HGNC:5256]	processed pseudo-gene	0.7268	5.4521	18.8590	<0.0001	0.0003
ENSG00000185015	CA13	carbonic anhydrase 13 [Source:HGNC Symbol;Acc:HGNC:14914]	protein coding	-0.7264	1.6279	8.1380	0.0043	0.0217
ENSG00000211753	TRBV28	T cell receptor beta variable 28 [Source:HGNC Symbol;Acc:HGNC:12209]	TR V gene	-0.7263	3.8558	19.6510	<0.0001	0.0002
ENSG00000196502	SULT1A1	sulfotransferase family 1A member 1 [Source:HGNC Symbol;Acc:HGNC:11453]	protein coding	0.7255	4.9997	27.9898	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000163600	ICOS	inducible T cell costimulatory [Source:HGNC Symbol;Acc:HGNC:5351]	protein coding	-0.7251	4.8160	16.8187	<0.0001	0.0006
ENSG00000067836	ROGDI	rogdi atypical leucine zipper [Source:HGNC Symbol;Acc:HGNC:29478]	protein coding	0.7240	4.6290	17.7020	<0.0001	0.0004
ENSG00000183307	TMEM121B	transmembrane 121B [Source:HGNC Symbol;Acc:HGNC:1844]	protein coding	0.7235	2.4679	11.1554	0.0008	0.0063
ENSG00000267278	MAP3K14-AS1	MAP3K14 antisense 1 [Source:HGNC Symbol;Acc:HGNC:44359]	RNA	-0.7231	3.4734	12.5418	0.0004	0.0036
ENSG00000132530	XAF1	XIAP associated 1 [Source:HGNC Symbol;Acc:HGNC:30932]	protein coding	0.7221	6.2087	11.1934	0.0008	0.0062
ENSG00000117115	PADI2	peptidyl arginine deiminase 2 [Source:HGNC Symbol;Acc:HGNC:18341]	protein coding	0.7219	3.2744	14.4985	0.0001	0.0017
ENSG00000104714	ERICH1	glutamate rich 1 [Source:HGNC Symbol;Acc:HGNC:27234]	protein coding	0.7214	5.6151	22.3559	<0.0001	<0.0001
ENSG00000130517	PGPEP1	pyroglutamyl-peptidase I [Source:HGNC Symbol;Acc:HGNC:13568]	protein coding	0.7210	5.4109	15.1271	0.0001	0.0013
ENSG00000182134	TDRKH	tudor and KH domain containing [Source:HGNC Symbol;Acc:HGNC:11713]	protein coding	-0.7209	2.9588	12.1807	0.0005	0.0041
ENSG00000211935	IGHV1-3	immunoglobulin heavy variable 1-3 [Source:HGNC Symbol;Acc:HGNC:5552]	IG V gene	-0.7207	3.5000	8.8187	0.003	0.0164
ENSG00000211943	IGHV3-15	immunoglobulin heavy variable 3-15 [Source:HGNC Symbol;Acc:HGNC:5582]	IG V gene	-0.7205	3.7215	14.8222	0.0001	0.0015
ENSG00000085563	ABCB1	ATP binding cassette subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:40]	protein coding	-0.7196	4.1295	13.2360	0.0003	0.0027
ENSG00000083097	DOP1A	DOP1 leucine zipper like protein A [Source:HGNC Symbol;Acc:HGNC:21194]	protein coding	-0.7193	4.1536	16.1044	<0.0001	0.0009

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000131115	ZNF227	zinc finger protein 227 [Source:HGNC Symbol;Acc:HGNC:13020]	protein coding	-0.7191	3.6751	8.5997	0.0034	0.0179
ENSG00000204010	IFIT1B	interferon induced protein with tetratricopeptide repeats 1B [Source:HGNC Symbol;Acc:HGNC:23442]	protein coding	0.7190	3.3956	11.7274	0.0006	0.005
ENSG00000255967	HADHAP2	HADHA pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:38585]	processed pseudo-gene	-0.7188	2.8206	12.7388	0.0004	0.0033
ENSG00000212916	MAP10	microtubule associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	protein coding	-0.7185	2.2765	7.4729	0.0063	0.0283
ENSG00000269982		novel transcript, antisense to TMEM111	lncRNA	0.7182	1.9057	6.6921	0.0097	0.0392
ENSG00000257727	CNPY2	canopy FGF signaling regulator 2 [Source:HGNC Symbol;Acc:HGNC:13529]	protein coding	0.7182	3.2530	9.0542	0.0026	0.0149
ENSG00000120915	EPHX2	epoxide hydrolase 2 [Source:HGNC Symbol;Acc:HGNC:3402]	protein coding	-0.7175	4.5870	20.5562	<0.0001	0.0001
ENSG00000115020	PIKFYVE	phosphoinositide FYVE-type zinc finger containing [Source:HGNC Symbol;Acc:HGNC:23785]	protein coding	-0.7169	5.4579	15.7817	<0.0001	0.001
ENSG00000145349	CAMK2D	calcium/calmodulin dependent protein kinase II delta [Source:HGNC Symbol;Acc:HGNC:1462]	protein coding	-0.7165	5.1154	22.0177	<0.0001	<0.0001
ENSG00000008405	CRY1	cryptochrome circadian regulator 1 [Source:HGNC Symbol;Acc:HGNC:2384]	protein coding	-0.7162	3.8021	9.4904	0.0021	0.0125
ENSG00000144749	LRIG1	leucine rich repeats and immunoglobulin like domains 1 [Source:HGNC Symbol;Acc:HGNC:17360]	protein coding	-0.7160	4.1986	18.2604	<0.0001	0.0003
ENSG00000211950	IGHV1-24	immunoglobulin heavy variable 1-24 [Source:HGNC Symbol;Acc:HGNC:5551]	IG V gene	-0.7159	2.6051	6.4321	0.0112	0.0436

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000133816	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24693]	protein coding	0.7158	5.6909	32.2323	<0.0001	<0.0001
ENSG00000198538	ZNF28	zinc finger protein 28 [Source:HGNC Symbol;Acc:HGNC:13073]	protein coding	-0.7157	3.6755	10.4513	0.0012	0.0084
ENSG00000211659	IGLV3-25	immunoglobulin lambda variable 3-25 [Source:HGNC Symbol;Acc:HGNC:5908]	IG V gene	-0.7157	4.4984	18.8836	<0.0001	0.0003
ENSG00000134899	ERCC5	ERCC excision repair 5, endonuclease [Source:HGNC Symbol;Acc:HGNC:3437]	protein coding	-0.7156	1.6955	9.3174	0.0023	0.0134
ENSG00000106789	CORO2A	coronin 2A [Source:HGNC Symbol;Acc:HGNC:2255]	protein coding	0.7156	4.6691	17.7834	<0.0001	0.0004
ENSG00000179604	CDC42EP4	CDC42 effector 4 [Source:HGNC Symbol;Acc:HGNC:17147]	protein coding	0.7153	2.4824	10.4841	0.0012	0.0083
ENSG00000144451	SPAG16	sperm associated antigen 16 [Source:HGNC Symbol;Acc:HGNC:23225]	protein coding	-0.7153	1.7757	9.7868	0.0018	0.011
ENSG00000124789	NUP153	nucleoporin 153 [Source:HGNC Symbol;Acc:HGNC:8062]	protein coding	-0.7152	5.7201	17.0360	<0.0001	0.0006
ENSG00000170185	USP38	ubiquitin specific peptidase 38 [Source:HGNC Symbol;Acc:HGNC:20067]	protein coding	-0.7152	4.9811	17.2422	<0.0001	0.0005
ENSG00000243667	WDR92	WD repeat domain 92 [Source:HGNC Symbol;Acc:HGNC:25176]	protein coding	0.7148	3.6349	8.1961	0.0042	0.0212
ENSG00000197093	GAL3ST4	galactose-3-O-sulfotransferase 4 [Source:HGNC Symbol;Acc:HGNC:24145]	protein coding	-0.7148	4.8568	18.1490	<0.0001	0.0004
ENSG00000044459	CNTLN	centlein [Source:HGNC Symbol;Acc:HGNC:23432]	protein coding	0.7142	2.0237	7.6840	0.0056	0.0261
ENSG00000054793	ATP9A	ATPase phospholipid transporting 9A (putative) [Source:HGNC Symbol;Acc:HGNC:13540]	protein coding	-0.7135	2.3482	11.7244	0.0006	0.005

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000103490	PYCARD	PYD and CARD domain containing [Source:HGNC Symbol;Acc:HGNC:16608]	protein coding	0.7129	6.1427	19.1539	<0.0001	0.0002
ENSG00000105699	LSR	lipolysis stimulated lipoprotein receptor [Source:HGNC Symbol;Acc:HGNC:29572]	protein coding	-0.7129	2.1136	11.2047	0.0008	0.0062
ENSG00000259121		ribosomal protein, large, P1 (RPLP1) pseudogene	processed pseudo-gene	0.7127	3.2578	6.5142	0.0107	0.0421
ENSG00000107164	FUBP3	far upstream element binding protein 3 [Source:HGNC Symbol;Acc:HGNC:4005]	protein coding	-0.7124	4.6349	14.6648	0.0001	0.0015
ENSG00000123643	SLC36A1	solute carrier family 36 member 1 [Source:HGNC Symbol;Acc:HGNC:18761]	protein coding	0.7119	3.7116	15.7976	<0.0001	0.001
ENSG00000143515	ATP8B2	ATPase phospholipid transporting 8B2 [Source:HGNC Symbol;Acc:HGNC:13534]	protein coding	-0.7110	6.9926	16.2405	<0.0001	0.0008
ENSG00000170989	S1PR1	sphingosine-1-phosphate receptor 1 [Source:HGNC Symbol;Acc:HGNC:3165]	protein coding	-0.7105	8.2098	20.7252	<0.0001	0.0001
ENSG00000115365	LANCL1	LanC like 1 [Source:HGNC Symbol;Acc:HGNC:6508]	protein coding	-0.7104	4.2724	15.5671	<0.0001	0.0011
ENSG00000155465	SLC7A7	solute carrier family 7 member 7 [Source:HGNC Symbol;Acc:HGNC:11065]	protein coding	0.7100	7.0567	24.8455	<0.0001	<0.0001
ENSG00000095002	MSH2	mutS homolog 2 [Source:HGNC Symbol;Acc:HGNC:7325]	protein coding	-0.7099	4.7182	12.4022	0.0004	0.0038
ENSG00000164506	STXBP5	syntaxin binding protein 5 [Source:HGNC Symbol;Acc:HGNC:19665]	protein coding	-0.7094	3.9668	18.6525	<0.0001	0.0003
ENSG00000196172	ZNF681	zinc finger protein 681 [Source:HGNC Symbol;Acc:HGNC:26457]	protein coding	-0.7093	2.4970	6.1042	0.0135	0.0499
ENSG00000282851	BISPR	BST2 interferon stimulated positive regulator [Source:HGNC Symbol;Acc:HGNC:51290]	lncRNA	0.7092	4.1292	16.4620	<0.0001	0.0007

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000180884	ZNF792	zinc finger protein 792 [Source:HGNC Symbol;Acc:HGNC:24751]	protein coding	-0.7089	3.5668	15.5432	<0.0001	0.0011
ENSG00000163162	RNF149	ring finger protein 149 [Source:HGNC Symbol;Acc:HGNC:23137]	protein coding	0.7088	6.7622	20.4893	<0.0001	0.0001
ENSG00000186350	RXRA	retinoid X receptor alpha [Source:HGNC Symbol;Acc:HGNC:10477]	protein coding	0.7087	6.7920	33.2882	<0.0001	<0.0001
ENSG00000064601	CTSA	cathepsin A [Source:HGNC Symbol;Acc:HGNC:9251]	protein coding	0.7085	6.7663	25.4522	<0.0001	<0.0001
ENSG00000155034	FBXL18	F-box and leucine rich repeat protein 18 [Source:HGNC Symbol;Acc:HGNC:21874]	protein coding	0.7083	3.7638	7.9097	0.0049	0.0239
ENSG00000099204	ABLIM1	actin binding LIM 1 [Source:HGNC Symbol;Acc:HGNC:78]	protein coding	-0.7078	8.1764	31.5983	<0.0001	<0.0001
ENSG00000231989	PPP1R2B	PPP1R2 family member B [Source:HGNC Symbol;Acc:HGNC:16318]	protein coding	-0.7064	1.6105	8.0508	0.0045	0.0225
ENSG00000160326	SLC2A6	solute carrier family 2 member 6 [Source:HGNC Symbol;Acc:HGNC:11011]	protein coding	0.7060	5.8481	18.3905	<0.0001	0.0003
ENSG00000224383	PRR29	proline rich 29 [Source:HGNC Symbol;Acc:HGNC:25673]	protein coding	0.7059	3.4857	6.7130	0.0096	0.0389
ENSG00000211962	IGHV1-46	immunoglobulin heavy variable 1-46 [Source:HGNC Symbol;Acc:HGNC:5554]	IG V gene	-0.7058	3.6185	14.9043	0.0001	0.0014
ENSG00000143418	CERS2	ceramide synthase 2 [Source:HGNC Symbol;Acc:HGNC:14076]	protein coding	-0.7052	5.5694	16.0696	<0.0001	0.0009
ENSG00000155313	USP25	ubiquitin specific peptidase 25 [Source:HGNC Symbol;Acc:HGNC:12624]	protein coding	-0.7047	5.4518	15.5598	<0.0001	0.0011
ENSG00000139146	SINHCAF	SIN3-HDAC complex associated factor [Source:HGNC Symbol;Acc:HGNC:30702]	protein coding	-0.7043	5.0823	18.0825	<0.0001	0.0004

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000151136	BTBD11	BTB domain containing 11 [Source:HGNC Symbol;Acc:HGNC:23844]	protein coding	-0.7041	4.6244	17.0858	<0.0001	0.0006
ENSG00000120686	UFM1	ubiquitin fold modifier 1 [Source:HGNC Symbol;Acc:HGNC:20597]	protein coding	-0.7039	5.0912	6.9005	0.0086	0.0361
ENSG00000196290	NIF3L1	NGG1 interacting factor 3 like 1 [Source:HGNC Symbol;Acc:HGNC:13390]	protein coding	-0.7039	4.0016	10.2676	0.0014	0.009
ENSG00000120725	SIL1	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:24624]	protein coding	0.7038	3.8268	18.5794	<0.0001	0.0003
ENSG00000182141	ZNF708	zinc finger protein 708 [Source:HGNC Symbol;Acc:HGNC:12945]	protein coding	-0.7037	3.7709	12.6516	0.0004	0.0034
ENSG00000128165	ADM2	adrenomedullin 2 [Source:HGNC Symbol;Acc:HGNC:28898]	protein coding	0.7034	1.8850	9.5518	0.002	0.0122
ENSG00000136122	BORA	BORA aurora kinase A activator [Source:HGNC Symbol;Acc:HGNC:24724]	protein coding	-0.7032	2.5303	9.2174	0.0024	0.014
ENSG00000256039	LINC02446	long intergenic non-protein coding RNA 2446 [Source:HGNC Symbol;Acc:HGNC:53378]	lncRNA	-0.7030	5.3710	14.3195	0.0002	0.0018
ENSG00000138031	ADCY3	adenylate cyclase 3 [Source:HGNC Symbol;Acc:HGNC:234]	protein coding	-0.7029	3.1872	13.8560	0.0002	0.0021
ENSG00000259612	EEF1A1P22	eukaryotic translation elongation factor 1 alpha 1 pseudogene 22 [Source:HGNC Symbol;Acc:HGNC:37895]	processed pseudo-gene	-0.7027	4.7196	14.8668	0.0001	0.0014
ENSG00000175193	PARL	presenilin associated rhomboid like [Source:HGNC Symbol;Acc:HGNC:18253]	protein coding	0.7022	3.4423	11.7548	0.0006	0.0049
ENSG00000135392	DNAJC14	DnaJ heat shock protein family (Hsp40) member C14 [Source:HGNC Symbol;Acc:HGNC:24581]	protein coding	-0.7020	4.0771	10.2355	0.0014	0.0092

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000138496	PARP9	poly(ADP-ribose) polymerase family member 9 [Source:HGNC Symbol;Acc:HGNC:24118]	protein coding	0.7020	6.7414	16.2417	<0.0001	0.0008
ENSG00000196189	SEMA4A	semaphorin 4A [Source:HGNC Symbol;Acc:HGNC:10729]	protein coding	0.7017	5.6984	28.1517	<0.0001	<0.0001
ENSG00000153563	CD8A	CD8a molecule [Source:HGNC Symbol;Acc:HGNC:1706]	protein coding	-0.7016	7.7365	19.0296	<0.0001	0.0003
ENSG00000244361	RPL30P7	ribosomal protein L30 pseudo-gene 7 [Source:HGNC Symbol;Acc:HGNC:36402]	processed pseudo-gene	-0.7014	1.6041	9.0790	0.0026	0.0147
ENSG00000135821	GLUL	glutamate-ammonia ligase [Source:HGNC Symbol;Acc:HGNC:4341]	protein coding	0.7013	7.2335	35.5521	<0.0001	<0.0001
ENSG00000211669	IGLV3-10	immunoglobulin lambda variable 3-10 [Source:HGNC Symbol;Acc:HGNC:5897]	IG V gene	-0.7012	3.5862	14.0150	0.0002	0.002
ENSG00000182150	ERCC6L2	ERCC excision repair 6 like 2 [Source:HGNC Symbol;Acc:HGNC:26922]	protein coding	-0.7010	4.7988	16.3148	<0.0001	0.0008
ENSG00000223540	RPS15AP5	ribosomal protein S15a pseudogene 5 [Source:HGNC Symbol;Acc:HGNC:23743]	processed pseudo-gene	-0.7005	2.1324	9.3906	0.0022	0.013
ENSG00000168172	HOOK3	hook microtubule tethering protein 3 [Source:HGNC Symbol;Acc:HGNC:23576]	protein coding	0.7005	5.9557	12.7165	0.0004	0.0034
ENSG00000196950	SLC39A10	solute carrier family 39 member 10 [Source:HGNC Symbol;Acc:HGNC:20861]	protein coding	-0.6999	4.2112	12.0311	0.0005	0.0044
ENSG00000241755	IGKV1-9	immunoglobulin kappa variable 1-9 [Source:HGNC Symbol;Acc:HGNC:5744]	IG V gene	-0.6998	2.6329	8.4438	0.0037	0.0191
ENSG00000249936	RAC1P2	Rac family small GTPase 1 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:31414]	processed pseudo-gene	0.6997	4.4825	14.4171	0.0001	0.0017
ENSG00000226666	HSPA9P1	heat shock protein family A (Hsp70) member 9 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:24915]	processed pseudo-gene	-0.6995	2.5850	11.4283	0.0007	0.0056

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000119401	TRIM32	tripartite motif containing 32 [Source:HGNC Symbol;Acc:HGNC:16380]	protein coding	-0.6992	3.8947	8.3199	0.0039	0.0201
ENSG00000186130	ZBTB6	zinc finger and BTB domain containing 6 [Source:HGNC Symbol;Acc:HGNC:16764]	protein coding	-0.6990	4.4303	12.6527	0.0004	0.0034
ENSG00000137441	FGFBP2	fibroblast growth factor binding protein 2 [Source:HGNC Symbol;Acc:HGNC:29451]	protein coding	-0.6987	6.1528	16.1131	<0.0001	0.0009
ENSG00000151503	NCAPD3	non-SMC condensin II complex subunit D3 [Source:HGNC Symbol;Acc:HGNC:28952]	protein coding	-0.6971	4.3887	13.0028	0.0003	0.003
ENSG00000001167	NFYA	nuclear transcription factor Y subunit alpha [Source:HGNC Symbol;Acc:HGNC:7804]	protein coding	-0.6970	4.9447	11.9490	0.0005	0.0046
ENSG00000133561	GIMAP6	GTPase, IMAP family member 6 [Source:HGNC Symbol;Acc:HGNC:21918]	protein coding	-0.6968	7.7430	16.9637	<0.0001	0.0006
ENSG00000138660	APIAR	adaptor related protein complex 1 associated regulatory protein [Source:HGNC Symbol;Acc:HGNC:28808]	protein coding	-0.6967	3.7426	8.2437	0.0041	0.0208
ENSG00000134030	CTIF	cap binding complex dependent translation initiation factor [Source:HGNC Symbol;Acc:HGNC:23925]	protein coding	0.6966	2.9328	9.2306	0.0024	0.0139
ENSG00000026025	VIM	vimentin [Source:HGNC Symbol;Acc:HGNC:12692]	protein coding	0.6960	9.1039	36.5230	<0.0001	<0.0001
ENSG00000109189	USP46	ubiquitin specific peptidase 46 [Source:HGNC Symbol;Acc:HGNC:20075]	protein coding	-0.6958	2.2257	7.6739	0.0056	0.0262
ENSG00000105205	CLC	Charcot-Leyden crystal galectin [Source:HGNC Symbol;Acc:HGNC:2014]	protein coding	-0.6958	1.9737	7.4892	0.0062	0.0281
ENSG00000106348	IMPDH1	inosine monophosphate dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:6052]	protein coding	0.6957	6.8803	30.7404	<0.0001	<0.0001
ENSG00000119397	CNTRL	centriolin [Source:HGNC Symbol;Acc:HGNC:1858]	protein coding	-0.6956	6.3792	6.2730	0.0123	0.0466

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000172575	RASGRP1	RAS guanyl releasing protein 1 [Source:HGNC Symbol;Acc:HGNC:9878]	protein coding	-0.6954	6.4877	23.1194	<0.0001	<0.0001
ENSG00000166523	CLEC4E	C-type lectin domain family 4 member E [Source:HGNC Symbol;Acc:HGNC:14555]	protein coding	0.6952	4.0629	19.5035	<0.0001	0.0002
ENSG00000197385	ZNF860	zinc finger protein 860 [Source:HGNC Symbol;Acc:HGNC:34513]	protein coding	-0.6950	2.7210	11.7402	0.0006	0.0049
ENSG00000104231	ZFAND1	zinc finger AN1-type containing 1 [Source:HGNC Symbol;Acc:HGNC:25858]	protein coding	-0.6950	4.2484	13.6860	0.0002	0.0023
ENSG00000250144		eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) pseudogene	processed pseudo-gene	-0.6949	2.3672	8.5685	0.0034	0.0182
ENSG00000236330	RPL5P9	ribosomal protein L5 pseudogene 9 [Source:HGNC Symbol;Acc:HGNC:36557]	processed pseudo-gene	-0.6945	2.1270	9.4056	0.0022	0.0129
ENSG00000177674	AGTRAP	angiotensin II receptor associated protein [Source:HGNC Symbol;Acc:HGNC:13539]	protein coding	0.6943	6.6533	28.6005	<0.0001	<0.0001
ENSG00000106460	TMEM106B	transmembrane protein 106B [Source:HGNC Symbol;Acc:HGNC:22407]	protein coding	-0.6943	4.7306	12.8810	0.0003	0.0031
ENSG00000134900	TPP2	tripeptidyl peptidase 2 [Source:HGNC Symbol;Acc:HGNC:12016]	protein coding	-0.6943	5.7945	24.8533	<0.0001	<0.0001
ENSG00000120159	CAAP1	caspase activity and apoptosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:25834]	protein coding	-0.6937	3.7562	10.6087	0.0011	0.0079
ENSG00000154059	IMPACT	impact RWD domain protein [Source:HGNC Symbol;Acc:HGNC:20387]	protein coding	-0.6936	3.5937	8.2360	0.0041	0.0209
ENSG00000238105	GOLGA2P5	GOLGA2 pseudogene 5 [Source:HGNC Symbol;Acc:HGNC:25315]	transcribed unprocessed pseudo-gene	0.6936	3.3223	11.6991	0.0006	0.005

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000042493	CAPG	capping actin protein, gelsolin like [Source:HGNC Symbol;Acc:HGNC:1474]	protein coding	0.6933	6.6562	33.4960	<0.0001	<0.0001
ENSG00000090376	IRAK3	interleukin 1 receptor associated kinase 3 [Source:HGNC Symbol;Acc:HGNC:17020]	protein coding	0.6932	4.6576	18.7040	<0.0001	0.0003
ENSG00000095066	HOOK2	hook microtubule tethering protein 2 [Source:HGNC Symbol;Acc:HGNC:19885]	protein coding	0.6929	3.1474	11.2918	0.0008	0.0059
ENSG00000105701	FKBP8	FKBP prolyl isomerase 8 [Source:HGNC Symbol;Acc:HGNC:3724]	protein coding	0.6928	8.4589	28.0594	<0.0001	<0.0001
ENSG00000143365	RORC	RAR related orphan receptor C [Source:HGNC Symbol;Acc:HGNC:10260]	protein coding	-0.6928	2.3603	6.7589	0.0093	0.0382
ENSG00000071073	MGAT4A	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A [Source:HGNC Symbol;Acc:HGNC:7047]	protein coding	-0.6928	6.6958	21.1270	<0.0001	0.0001
ENSG00000196199	MPHOSPH8	M-phase phosphoprotein 8 [Source:HGNC Symbol;Acc:HGNC:29810]	protein coding	0.6927	7.5277	12.5876	0.0004	0.0035
ENSG00000158985	CDC42SE2	CDC42 small effector 2 [Source:HGNC Symbol;Acc:HGNC:18547]	protein coding	-0.6927	7.6107	22.5864	<0.0001	<0.0001
ENSG00000184730	APOBR	apolipoprotein B receptor [Source:HGNC Symbol;Acc:HGNC:24087]	protein coding	0.6926	6.2923	24.8540	<0.0001	<0.0001
ENSG00000143971	ETAA1	ETAA1 activator of ATR kinase [Source:HGNC Symbol;Acc:HGNC:24648]	protein coding	-0.6917	3.3620	6.8448	0.0089	0.0369
ENSG00000228784	LINC00954	long intergenic non-protein coding RNA 954 [Source:HGNC Symbol;Acc:HGNC:48668]	lncRNA	0.6915	3.0947	8.1215	0.0044	0.0219
ENSG00000118513	MYB	MYB proto-oncogene, transcription factor [Source:HGNC Symbol;Acc:HGNC:7545]	protein coding	-0.6914	2.7131	10.5525	0.0012	0.008

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000181827	RFX7	regulatory factor X7 [Source:HGNC Symbol;Acc:HGNC:25777]	protein coding	-0.6911	5.0560	23.1813	<0.0001	<0.0001
ENSG00000196177	ACADSB	acyl-CoA dehydrogenase short-/branched chain [Source:HGNC Symbol;Acc:HGNC:91]	protein coding	-0.6907	4.1759	16.6741	<0.0001	0.0007
ENSG00000185127	C6orf120	chromosome 6 open reading frame 120 [Source:HGNC Symbol;Acc:HGNC:21247]	protein coding	-0.6905	3.5192	11.3678	0.0007	0.0057
ENSG00000171103	TRMT61B	tRNA methyltransferase 61B [Source:HGNC Symbol;Acc:HGNC:26070]	protein coding	-0.6904	2.9941	7.8376	0.0051	0.0246
ENSG00000196358	NTNG2	netrin G2 [Source:HGNC Symbol;Acc:HGNC:14288]	protein coding	0.6903	2.0524	7.3059	0.0069	0.0304
ENSG00000027075	PRKCH	protein kinase C eta [Source:HGNC Symbol;Acc:HGNC:9403]	protein coding	-0.6903	7.0682	28.0962	<0.0001	<0.0001
ENSG00000257704	INAFM1	InaF motif containing 1 [Source:HGNC Symbol;Acc:HGNC:27406]	protein coding	0.6903	2.6065	6.3846	0.0115	0.0446
ENSG00000074695	LMAN1	lectin, mannose binding 1 [Source:HGNC Symbol;Acc:HGNC:6631]	protein coding	-0.6899	4.9437	16.9296	<0.0001	0.0006
ENSG00000164111	ANXA5	annexin A5 [Source:HGNC Symbol;Acc:HGNC:543]	protein coding	0.6895	6.7332	35.5275	<0.0001	<0.0001
ENSG00000168228	ZCCHC4	zinc finger CCHC-type containing 4 [Source:HGNC Symbol;Acc:HGNC:22917]	protein coding	-0.6895	2.9676	12.0347	0.0005	0.0044
ENSG00000232626		FK506 binding protein 8, 38kDa (FKBP8) pseudogene	transcribed processed pseudo-gene	0.6891	3.2412	15.6380	<0.0001	0.001
ENSG00000150768	DLAT	dihydrolipoamide S-acetyltransferase [Source:HGNC Symbol;Acc:HGNC:2896]	protein coding	-0.6888	4.0449	12.3753	0.0004	0.0038
ENSG00000175538	KCNE3	potassium voltage-gated channel subfamily E regulatory subunit 3 [Source:HGNC Symbol;Acc:HGNC:6243]	protein coding	0.6881	4.5596	18.3525	<0.0001	0.0003

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000186448	ZNF197	zinc finger protein 197 [Source:HGNC Symbol;Acc:HGNC:12988]	protein coding	-0.6868	4.4033	13.5219	0.0002	0.0024
ENSG00000060491	OGFR	opioid growth factor receptor [Source:HGNC Symbol;Acc:HGNC:15768]	protein coding	0.6864	6.5614	23.7152	<0.0001	<0.0001
ENSG00000139318	DUSP6	dual specificity phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:3072]	protein coding	0.6864	6.7652	23.2397	<0.0001	<0.0001
ENSG00000104825	NFKB1B	NFkB inhibitor beta [Source:HGNC Symbol;Acc:HGNC:7798]	protein coding	0.6863	5.3872	14.1756	0.0002	0.0019
ENSG00000038002	AGA	aspartylglucosaminidase [Source:HGNC Symbol;Acc:HGNC:318]	protein coding	-0.6862	3.9958	16.2255	<0.0001	0.0008
ENSG00000171522	PTGER4	prostaglandin E receptor 4 [Source:HGNC Symbol;Acc:HGNC:9596]	protein coding	-0.6861	5.8751	20.3215	<0.0001	0.0001
ENSG00000186063	AIDA	axin interactor, dorsolateral associated [Source:HGNC Symbol;Acc:HGNC:25761]	protein coding	-0.6861	5.1285	12.8768	0.0003	0.0031
ENSG00000173442	EHBP1L1	EH domain binding protein 1 like 1 [Source:HGNC Symbol;Acc:HGNC:30682]	protein coding	0.6861	7.1741	27.9672	<0.0001	<0.0001
ENSG00000162601	MYSM1	Myb like, SWIRM and MPN domains 1 [Source:HGNC Symbol;Acc:HGNC:29401]	protein coding	-0.6857	3.9827	15.5756	<0.0001	0.0011
ENSG00000119535	CSF3R	colony stimulating factor 3 receptor [Source:HGNC Symbol;Acc:HGNC:2439]	protein coding	0.6857	7.2125	24.2549	<0.0001	<0.0001
ENSG00000184588	PDE4B	phosphodiesterase 4B [Source:HGNC Symbol;Acc:HGNC:8781]	protein coding	-0.6854	5.5512	15.7362	<0.0001	0.001
ENSG00000185158	LRRC37B	leucine rich repeat containing 37B [Source:HGNC Symbol;Acc:HGNC:29070]	protein coding	-0.6850	4.2441	11.5249	0.0007	0.0054
ENSG00000113971	NPHP3	nephrocystin 3 [Source:HGNC Symbol;Acc:HGNC:7907]	protein coding	0.6848	4.2611	10.9135	0.001	0.007

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000083290	ULK2	unc-51 like autophagy activating kinase 2 [Source:HGNC Symbol;Acc:HGNC:13480]	protein coding	-0.6841	5.0904	9.9273	0.0016	0.0104
ENSG00000065989	PDE4A	phosphodiesterase 4A [Source:HGNC Symbol;Acc:HGNC:8780]	protein coding	0.6839	3.8428	19.5566	<0.0001	0.0002
ENSG00000104936	DMPK	DM1 protein kinase [Source:HGNC Symbol;Acc:HGNC:2933]	protein coding	0.6833	3.7666	10.5714	0.0011	0.008
ENSG00000163464	CXCR1	C-X-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:6026]	protein coding	0.6833	2.7540	8.8354	0.003	0.0163
ENSG00000139737	SLAIN1	SLAIN motif family member 1 [Source:HGNC Symbol;Acc:HGNC:26387]	protein coding	-0.6830	3.5101	13.2785	0.0003	0.0027
ENSG00000166128	RAB8B	RAB8B, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:30273]	protein coding	-0.6829	5.6089	13.1151	0.0003	0.0029
ENSG00000132356	PRKAA1	protein kinase AMP-activated catalytic subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:9376]	protein coding	-0.6821	5.1252	16.7457	<0.0001	0.0007
ENSG00000116663	FBXO6	F-box protein 6 [Source:HGNC Symbol;Acc:HGNC:13585]	protein coding	0.6819	4.9000	14.9610	0.0001	0.0014
ENSG00000111877	MCM9	minichromosome maintenance 9 homologous recombination repair factor [Source:HGNC Symbol;Acc:HGNC:21484]	protein coding	-0.6818	4.4600	7.2972	0.0069	0.0305
ENSG00000151135	TMEM263	transmembrane 263 [Source:HGNC Symbol;Acc:HGNC:28281]	protein coding	-0.6815	4.6354	16.6724	<0.0001	0.0007
ENSG00000144647	POMGNT2	protein O-linked mannose N-acetylglucosaminyltransferase 2 (beta 1,4-) [Source:HGNC Symbol;Acc:HGNC:25902]	protein coding	-0.6813	3.6742	19.7488	<0.0001	0.0002
ENSG00000174944	P2RY14	purinergic receptor P2Y14 [Source:HGNC Symbol;Acc:HGNC:16442]	protein coding	-0.6813	2.2544	6.6853	0.0097	0.0393

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000237161		p21 protein (Cdc42/Rac)-activated kinase 2 (PAK2) pseudogene	processed pseudo-gene	-0.6812	1.8390	7.6311	0.0057	0.0266
ENSG00000153179	RASSF3	Ras association domain family member 3 [Source:HGNC Symbol;Acc:HGNC:14271]	protein coding	-0.6811	6.6122	19.0733	<0.0001	0.0002
ENSG00000021355	SERPINB1	serpin family B member 1 [Source:HGNC Symbol;Acc:HGNC:3311]	protein coding	0.6811	7.4786	35.9301	<0.0001	<0.0001
ENSG00000225434	LINC01504	long intergenic non-protein coding RNA 1504 [Source:HGNC Symbol;Acc:HGNC:51185]	lncRNA	0.6810	2.2986	11.7660	0.0006	0.0049
ENSG00000033627	ATP6V0A1	ATPase H ⁺ transporting V0 subunit a1 [Source:HGNC Symbol;Acc:HGNC:865]	protein coding	0.6810	5.6701	26.2085	<0.0001	<0.0001
ENSG00000276775	IGHV4-4	immunoglobulin heavy variable 4-4 [Source:HGNC Symbol;Acc:HGNC:5652]	IG V gene	-0.6809	2.8072	10.6830	0.0011	0.0076
ENSG00000225528		novel protein similar to translation machinery associated 7 homolog (S. cerevisiae) TMA7	protein coding	0.6807	3.1265	6.1546	0.0131	0.049
ENSG00000069974	RAB27A	RAB27A, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9766]	protein coding	0.6805	6.3736	17.9752	<0.0001	0.0004
ENSG00000231752	EMBP1	embigin pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:38661]	transcribed unprocessed pseudo-gene	-0.6804	1.7181	10.4363	0.0012	0.0084
ENSG00000108021	TASOR2	transcription activation suppressor family member 2 [Source:HGNC Symbol;Acc:HGNC:23484]	protein coding	-0.6802	5.0764	19.7198	<0.0001	0.0002
ENSG00000159335	PTMS	parathymosin [Source:HGNC Symbol;Acc:HGNC:9629]	protein coding	0.6799	4.1445	9.8167	0.0017	0.0109
ENSG00000031003	FAM13B	family with sequence similarity 13 member B [Source:HGNC Symbol;Acc:HGNC:1335]	protein coding	-0.6798	5.0289	19.9527	<0.0001	0.0002

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000167981	ZNF597	zinc finger protein 597 [Source:HGNC Symbol;Acc:HGNC:26573]	protein coding	-0.6790	2.9872	7.6253	0.0058	0.0266
ENSG00000072952	MRVI1	murine retrovirus integration site 1 homolog [Source:HGNC Symbol;Acc:HGNC:7237]	protein coding	0.6790	3.3995	6.0990	0.0135	0.0499
ENSG00000118162	KPTN	kaptin, actin binding protein [Source:HGNC Symbol;Acc:HGNC:6404]	protein coding	0.6787	3.0327	11.1907	0.0008	0.0062
ENSG00000055208	TAB2	TGF-beta activated kinase 1 (MAP3K7) binding protein 2 [Source:HGNC Symbol;Acc:HGNC:17075]	protein coding	-0.6786	6.6582	17.2200	<0.0001	0.0005
ENSG00000177697	CD151	CD151 molecule (Raph blood group) [Source:HGNC Symbol;Acc:HGNC:1630]	protein coding	0.6784	5.0370	21.9859	<0.0001	<0.0001
ENSG00000185621	LMLN	leishmanolysin like peptidase [Source:HGNC Symbol;Acc:HGNC:15991]	protein coding	-0.6783	2.1802	9.1440	0.0025	0.0144
ENSG00000273837		novel transcript, sense intronic to AC018755.18	lncRNA	0.6781	1.9763	9.7970	0.0017	0.011
ENSG00000117151	CTBS	chitobiase [Source:HGNC Symbol;Acc:HGNC:2496]	protein coding	-0.6772	2.2193	6.6091	0.0101	0.0405
ENSG00000019995	ZRANB1	zinc finger RANBP2-type containing 1 [Source:HGNC Symbol;Acc:HGNC:18224]	protein coding	-0.6772	3.8710	11.9830	0.0005	0.0045
ENSG00000147459	DOCK5	dedicator of cytokinesis 5 [Source:HGNC Symbol;Acc:HGNC:23476]	protein coding	0.6770	4.1688	15.4183	<0.0001	0.0011
ENSG00000107854	TNKS2	tankyrase 2 [Source:HGNC Symbol;Acc:HGNC:15677]	protein coding	-0.6769	5.7026	17.7653	<0.0001	0.0004
ENSG00000100485	SOS2	SOS Ras/Rho guanine nucleotide exchange factor 2 [Source:HGNC Symbol;Acc:HGNC:11188]	protein coding	-0.6767	5.1060	13.0704	0.0003	0.0029
ENSG00000167207	NOD2	nucleotide binding oligomerization domain containing 2 [Source:HGNC Symbol;Acc:HGNC:5331]	protein coding	0.6763	3.9276	16.9027	<0.0001	0.0006

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000105520	PLPPR2	phospholipid phosphatase related 2 [Source:HGNC Symbol;Acc:HGNC:29566]	protein coding	0.6762	4.4039	21.6211	<0.0001	<0.0001
ENSG00000140396	NCOA2	nuclear receptor coactivator 2 [Source:HGNC Symbol;Acc:HGNC:7669]	protein coding	-0.6760	5.0829	22.1175	<0.0001	<0.0001
ENSG00000134802	SLC43A3	solute carrier family 43 member 3 [Source:HGNC Symbol;Acc:HGNC:17466]	protein coding	0.6758	4.4269	13.5360	0.0002	0.0024
ENSG00000164597	COG5	component of oligomeric golgi complex 5 [Source:HGNC Symbol;Acc:HGNC:14857]	protein coding	-0.6757	4.2510	8.8213	0.003	0.0164
ENSG00000138413	IDH1	isocitrate dehydrogenase (NADP(+)) 1 [Source:HGNC Symbol;Acc:HGNC:5382]	protein coding	0.6749	4.4157	27.8520	<0.0001	<0.0001
ENSG00000004399	PLXND1	plexin D1 [Source:HGNC Symbol;Acc:HGNC:9107]	protein coding	0.6747	5.6083	22.6780	<0.0001	<0.0001
ENSG00000116128	BCL9	BCL9 transcription coactivator [Source:HGNC Symbol;Acc:HGNC:1008]	protein coding	-0.6746	4.5230	23.3293	<0.0001	<0.0001
ENSG00000184517	ZFP1	ZFP1 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:23328]	protein coding	-0.6745	2.9551	12.0770	0.0005	0.0043
ENSG00000248854	HNRNPH1P3	heterogeneous nuclear ribonucleoprotein H1 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:48811]	processed pseudogene	-0.6739	2.5298	6.4818	0.0109	0.0426
ENSG00000138750	NUP54	nucleoporin 54 [Source:HGNC Symbol;Acc:HGNC:17359]	protein coding	-0.6737	4.4019	15.4953	<0.0001	0.0011
ENSG00000164691	TAGAP	T cell activation RhoGTPase activating protein [Source:HGNC Symbol;Acc:HGNC:15669]	protein coding	-0.6734	8.2268	20.0557	<0.0001	0.0002
ENSG00000204519	ZNF551	zinc finger protein 551 [Source:HGNC Symbol;Acc:HGNC:25108]	protein coding	-0.6734	4.0019	18.7990	<0.0001	0.0003
ENSG00000139350	NEDD1	NEDD1 gamma-tubulin ring complex targeting factor [Source:HGNC Symbol;Acc:HGNC:7723]	protein coding	-0.6729	4.1058	11.3776	0.0007	0.0057

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000137193	PIM1	Pim-1 proto-oncogene, serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:8986]	protein coding	0.6728	8.0262	40.7812	<0.0001	<0.0001
ENSG00000089048	ESF1	ESF1 nucleolar pre-rRNA processing protein homolog [Source:HGNC Symbol;Acc:HGNC:15898]	protein coding	0.6728	5.5150	8.4251	0.0037	0.0192
ENSG00000109436	TBC1D9	TBC1 domain family member 9 [Source:HGNC Symbol;Acc:HGNC:21710]	protein coding	-0.6727	4.8275	8.7997	0.003	0.0165
ENSG00000170345	FOS	Fos proto-oncogene, transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3796]	protein coding	0.6727	5.6536	11.4013	0.0007	0.0057
ENSG00000180398	MCFD2	multiple coagulation factor deficiency 2, ER cargo receptor complex subunit [Source:HGNC Symbol;Acc:HGNC:18451]	protein coding	-0.6727	5.1266	19.5245	<0.0001	0.0002
ENSG00000139793	MBNL2	muscleblind like splicing regulator 2 [Source:HGNC Symbol;Acc:HGNC:16746]	protein coding	-0.6726	3.9864	14.6610	0.0001	0.0015
ENSG00000111269	CREBL2	cAMP responsive element binding protein like 2 [Source:HGNC Symbol;Acc:HGNC:2350]	protein coding	-0.6726	5.6983	18.6383	<0.0001	0.0003
ENSG00000137414	FAM8A1	family with sequence similarity 8 member A1 [Source:HGNC Symbol;Acc:HGNC:16372]	protein coding	-0.6724	4.5168	13.7442	0.0002	0.0022
ENSG00000241511	RPS15AP24	ribosomal protein S15a pseudogene 24 [Source:HGNC Symbol;Acc:HGNC:36174]	processed pseudogene	-0.6724	5.9849	21.3809	<0.0001	<0.0001
ENSG00000259137		chromosome 11 open reading frame 58 (C11orf58) pseudogene	processed pseudogene	-0.6722	2.2616	7.2925	0.0069	0.0305
ENSG00000126602	TRAP1	TNF receptor associated protein 1 [Source:HGNC Symbol;Acc:HGNC:16264]	protein coding	-0.6721	4.4942	20.4118	<0.0001	0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000125347	IRF1	interferon regulatory factor 1 [Source:HGNC Symbol;Acc:HGNC:6116]	protein coding	0.6713	8.2206	18.7013	<0.0001	0.0003
ENSG00000237984	PTENP1	phosphatase and tensin homolog pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:9589]	transcribed processed pseudo-gene	-0.6710	2.5492	7.1521	0.0075	0.0323
ENSG00000169242	EFNA1	ephrin A1 [Source:HGNC Symbol;Acc:HGNC:3221]	protein coding	-0.6709	2.7173	9.0084	0.0027	0.0152
ENSG00000107551	RASSF4	Ras association domain family member 4 [Source:HGNC Symbol;Acc:HGNC:20793]	protein coding	0.6709	5.6547	20.2493	<0.0001	0.0002
ENSG00000111266	DUSP16	dual specificity phosphatase 16 [Source:HGNC Symbol;Acc:HGNC:17909]	protein coding	-0.6708	4.6257	19.5097	<0.0001	0.0002
ENSG00000213087		ribosomal protein S12 (RPS12) pseudogene	processed pseudo-gene	-0.6708	2.7220	8.0688	0.0045	0.0224
ENSG00000083093	PALB2	partner and localizer of BRCA2 [Source:HGNC Symbol;Acc:HGNC:26144]	protein coding	-0.6706	3.3159	9.1370	0.0025	0.0144
ENSG00000138688	KIAA1109	KIAA1109 [Source:HGNC Symbol;Acc:HGNC:26953]	protein coding	-0.6701	5.7928	20.6484	<0.0001	0.0001
ENSG00000172322	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	protein coding	0.6700	6.5243	23.8561	<0.0001	<0.0001
ENSG00000228794	LINC01128	long intergenic non-protein coding RNA 1128 [Source:HGNC Symbol;Acc:HGNC:49377]	lncRNA	-0.6696	4.3761	22.1021	<0.0001	<0.0001
ENSG00000047346	FAM214A	family with sequence similarity 214 member A [Source:HGNC Symbol;Acc:HGNC:25609]	protein coding	-0.6696	5.0576	16.3497	<0.0001	0.0008
ENSG00000142544	CTU1	cytosolic thiouridylase subunit 1 [Source:HGNC Symbol;Acc:HGNC:29590]	protein coding	0.6695	2.6739	8.6330	0.0033	0.0177
ENSG00000084110	HAL	histidine ammonia-lyase [Source:HGNC Symbol;Acc:HGNC:4806]	protein coding	0.6692	2.5005	11.0525	0.0009	0.0066

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000151882	CCL28	C-C motif chemokine lig- and 28 [Source:HGNC Sym- bol;Acc:HGNC:17700]	protein coding	-0.6690	2.7212	7.1658	0.0074	0.0322
ENSG00000138592	USP8	ubiquitin specific peptidase 8 [Source:HGNC Sym- bol;Acc:HGNC:12631]	protein coding	0.6687	5.7592	11.3663	0.0007	0.0057
ENSG00000134954	ETS1	ETS proto-oncogene 1, transcrip- tion factor [Source:HGNC Sym- bol;Acc:HGNC:3488]	protein coding	-0.6685	9.7963	18.3821	<0.0001	0.0003
ENSG00000143162	CREG1	cellular repressor of E1A stim- ulated genes 1 [Source:HGNC Symbol;Acc:HGNC:2351]	protein coding	0.6677	5.3220	21.7318	<0.0001	<0.0001
ENSG00000180539	C9orf139	chromosome 9 open reading frame 139 [Source:HGNC Symbol;Acc:HGNC:31426]	lncRNA	0.6676	2.4110	8.2032	0.0042	0.0211
ENSG00000213236	YWHAZP2	tyrosine 3- monooxygenase/tryptophan 5-monooxygenase activa- tion protein zeta pseudo- gene 2 [Source:HGNC Sym- bol;Acc:HGNC:31078]	processed pseudo- gene	-0.6675	2.5494	7.7386	0.0054	0.0256
ENSG00000120832	MTERF2	mitochondrial transcription termi- nation factor 2 [Source:HGNC Symbol;Acc:HGNC:30779]	protein coding	-0.6675	1.8761	6.8273	0.009	0.0371
ENSG00000007237	GAS7	growth arrest specific 7 [Source:HGNC Sym- bol;Acc:HGNC:4169]	protein coding	0.6674	6.5253	24.4420	<0.0001	<0.0001
ENSG00000165650	PDZD8	PDZ domain containing 8 [Source:HGNC Sym- bol;Acc:HGNC:26974]	protein coding	-0.6670	3.7440	9.0613	0.0026	0.0148
ENSG00000167635	ZNF146	zinc finger protein 146 [Source:HGNC Sym- bol;Acc:HGNC:12931]	protein coding	-0.6668	5.8859	13.8724	0.0002	0.0021
ENSG00000123124	WWP1	WW domain containing E3 ubiquitin protein lig- ase 1 [Source:HGNC Sym- bol;Acc:HGNC:17004]	protein coding	-0.6665	5.3999	14.7374	0.0001	0.0015

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000092140	G2E3	G2/M-phase specific E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:20338]	protein coding	-0.6664	3.4506	11.6915	0.0006	0.005
ENSG00000225648	SBDSP1	SBDS pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:21646]	transcribed unprocessed pseudogene	-0.6659	3.8974	13.8815	0.0002	0.0021
ENSG00000211653	IGLV1-40	immunoglobulin lambda variable 1-40 [Source:HGNC Symbol;Acc:HGNC:5877]	IG V gene	-0.6649	4.1450	11.5981	0.0007	0.0052
ENSG00000223960	CHROMR	cholesterol induced regulator of metabolism RNA [Source:HGNC Symbol;Acc:HGNC:54059]	lncRNA	0.6647	3.1404	8.4878	0.0036	0.0187
ENSG00000132549	VPS13B	vacuolar protein sorting 13 homolog B [Source:HGNC Symbol;Acc:HGNC:2183]	protein coding	-0.6645	5.3591	18.8826	<0.0001	0.0003
ENSG00000232869	TRBV29-1	T cell receptor beta variable 29-1 [Source:HGNC Symbol;Acc:HGNC:12210]	TR V gene	-0.6642	4.1808	16.8693	<0.0001	0.0006
ENSG00000104660	LEPROTL1	leptin receptor overlapping transcript like 1 [Source:HGNC Symbol;Acc:HGNC:6555]	protein coding	-0.6642	7.0638	20.8950	<0.0001	0.0001
ENSG00000073849	ST6GAL1	ST6 beta-galactoside alpha-2,6-sialyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:10860]	protein coding	-0.6639	8.5883	21.7950	<0.0001	<0.0001
ENSG00000110944	IL23A	interleukin 23 subunit alpha [Source:HGNC Symbol;Acc:HGNC:15488]	protein coding	-0.6636	3.5776	13.5687	0.0002	0.0024
ENSG00000099949	LZTR1	leucine zipper like transcription regulator 1 [Source:HGNC Symbol;Acc:HGNC:6742]	protein coding	0.6635	3.7093	11.2838	0.0008	0.006
ENSG00000155974	GRIP1	glutamate receptor interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:18708]	protein coding	-0.6632	2.3481	8.1173	0.0044	0.0219

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000162367	TAL1	TAL bHLH transcription factor 1, erythroid differentiation factor [Source:HGNC Symbol;Acc:HGNC:11556]	protein coding	0.6631	3.1835	14.7156	0.0001	0.0015
ENSG00000228002	DHX9P1	DEAH-box helicase 9 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:2751]	processed pseudo-gene	-0.6629	2.4774	9.9560	0.0016	0.0103
ENSG00000117643	MAN1C1	mannosidase alpha class 1C member 1 [Source:HGNC Symbol;Acc:HGNC:19080]	protein coding	-0.6628	6.2103	20.3576	<0.0001	0.0001
ENSG00000134709	HOOK1	hook microtubule tethering protein 1 [Source:HGNC Symbol;Acc:HGNC:19884]	protein coding	-0.6616	2.6087	8.8637	0.0029	0.0161
ENSG00000246705	H2AJ	H2A.J histone [Source:HGNC Symbol;Acc:HGNC:14456]	protein coding	0.6614	5.3421	19.8079	<0.0001	0.0002
ENSG00000135905	DOCK10	dedicator of cytokinesis 10 [Source:HGNC Symbol;Acc:HGNC:23479]	protein coding	-0.6611	6.9276	16.6477	<0.0001	0.0007
ENSG00000145246	ATP10D	ATPase phospholipid transporting 10D (putative) [Source:HGNC Symbol;Acc:HGNC:13549]	protein coding	-0.6611	3.7690	10.0941	0.0015	0.0097
ENSG00000134242	PTPN22	protein tyrosine phosphatase non-receptor type 22 [Source:HGNC Symbol;Acc:HGNC:9652]	protein coding	-0.6609	4.9257	18.3025	<0.0001	0.0003
ENSG00000269954		novel transcript, antisense to BLK	lncRNA	0.6606	2.3860	7.9219	0.0049	0.0238
ENSG00000175155	YPEL2	yippee like 2 [Source:HGNC Symbol;Acc:HGNC:18326]	protein coding	-0.6597	4.5060	16.2246	<0.0001	0.0008
ENSG00000141040	ZNF287	zinc finger protein 287 [Source:HGNC Symbol;Acc:HGNC:13502]	protein coding	-0.6596	2.4944	9.7298	0.0018	0.0113
ENSG00000269958		novel transcript, sense intronic to KLC1	lncRNA	0.6594	2.3356	9.1147	0.0025	0.0145
ENSG00000136108	CKAP2	cytoskeleton associated protein 2 [Source:HGNC Symbol;Acc:HGNC:1990]	protein coding	-0.6593	3.8860	17.1881	<0.0001	0.0006
ENSG00000160999	SH2B2	SH2B adaptor 2 [Source:HGNC Symbol;Acc:HGNC:17381]	protein coding	0.6592	4.4239	13.4204	0.0002	0.0025

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000204472	AIF1	allograft inflammatory factor 1 [Source:HGNC Symbol;Acc:HGNC:352]	protein coding	0.6590	8.1331	20.3560	<0.0001	0.0001
ENSG00000102743	SLC25A15	solute carrier family 25 member 15 [Source:HGNC Symbol;Acc:HGNC:10985]	protein coding	-0.6590	3.3269	6.6578	0.0099	0.0397
ENSG00000158092	NCK1	NCK adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:7664]	protein coding	-0.6587	4.4197	13.1238	0.0003	0.0028
ENSG00000162747	FCGR3B	Fc fragment of IgG receptor IIIb [Source:HGNC Symbol;Acc:HGNC:3620]	protein coding	0.6586	2.7393	7.1584	0.0075	0.0322
ENSG00000055332	EIF2AK2	eukaryotic translation initiation factor 2 alpha kinase 2 [Source:HGNC Symbol;Acc:HGNC:9437]	protein coding	0.6575	5.6491	10.2918	0.0013	0.009
ENSG00000206573	THUMP3-AS1	THUMP3 antisense 1 [Source:HGNC Symbol;Acc:HGNC:44478]	lncRNA	0.6574	4.9608	9.3942	0.0022	0.013
ENSG00000114739	ACVR2B	activin A receptor type 2B [Source:HGNC Symbol;Acc:HGNC:174]	protein coding	-0.6571	2.9832	7.5628	0.006	0.0273
ENSG00000068885	IFT80	intraflagellar transport 80 [Source:HGNC Symbol;Acc:HGNC:29262]	protein coding	-0.6570	3.4833	7.1386	0.0075	0.0325
ENSG00000110448	CD5	CD5 molecule [Source:HGNC Symbol;Acc:HGNC:1685]	protein coding	-0.6566	8.0510	25.7466	<0.0001	<0.0001
ENSG00000213626	LBH	LBH regulator of WNT signaling pathway [Source:HGNC Symbol;Acc:HGNC:29532]	protein coding	-0.6563	8.8469	23.8107	<0.0001	<0.0001
ENSG00000146247	PHIP	pleckstrin homology domain interacting protein [Source:HGNC Symbol;Acc:HGNC:15673]	protein coding	0.6563	6.4484	9.8570	0.0017	0.0107
ENSG00000204217	BMP2	bone morphogenetic protein receptor type 2 [Source:HGNC Symbol;Acc:HGNC:1078]	protein coding	-0.6562	4.1049	12.9446	0.0003	0.0031
ENSG00000155380	SLC16A1	solute carrier family 16 member 1 [Source:HGNC Symbol;Acc:HGNC:10922]	protein coding	-0.6556	3.4371	7.3264	0.0068	0.0301

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000099804	CDC34	cell division cycle 34 [Source:HGNC Symbol;Acc:HGNC:1734]	protein coding	0.6555	5.9196	23.3854	<0.0001	<0.0001
ENSG00000117868	ESYT2	extended synaptotagmin 2 [Source:HGNC Symbol;Acc:HGNC:22211]	protein coding	-0.6551	7.6958	24.6254	<0.0001	<0.0001
ENSG00000100100	PIK3IP1	phosphoinositide-3-kinase interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:24942]	protein coding	-0.6547	8.2097	18.9602	<0.0001	0.0003
ENSG00000225137	DYNC1I2P1	dynein cytoplasmic 1 intermediate chain 2 pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:45012]	processed pseudo-gene	0.6545	4.4000	10.8832	0.001	0.007
ENSG00000112294	ALDH5A1	aldehyde dehydrogenase 5 family member A1 [Source:HGNC Symbol;Acc:HGNC:408]	protein coding	-0.6544	4.7961	12.1058	0.0005	0.0043
ENSG00000267575		novel transcript	lncRNA	0.6524	3.0009	7.9234	0.0049	0.0238
ENSG00000146192	FGD2	FYVE, RhoGEF and PH domain containing 2 [Source:HGNC Symbol;Acc:HGNC:3664]	protein coding	0.6522	6.8132	27.3312	<0.0001	<0.0001
ENSG00000130589	HELZ2	helicase with zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:30021]	protein coding	0.6520	6.3400	14.4475	0.0001	0.0017
ENSG00000198925	ATG9A	autophagy related 9A [Source:HGNC Symbol;Acc:HGNC:22408]	protein coding	-0.6516	4.3266	9.2681	0.0023	0.0137
ENSG00000100092	SH3BP1	SH3 domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10824]	protein coding	0.6515	4.9645	15.1667	<0.0001	0.0013
ENSG00000211896	IGHG1	immunoglobulin heavy constant gamma 1 (G1m marker) [Source:HGNC Symbol;Acc:HGNC:5525]	IG C gene	-0.6515	8.3690	24.5347	<0.0001	<0.0001
ENSG00000242076	IGKV1-33	immunoglobulin kappa variable 1-33 [Source:HGNC Symbol;Acc:HGNC:5737]	IG V gene	-0.6515	2.6162	7.0643	0.0079	0.0336
ENSG00000198954	KIFBP	kinesin family binding protein [Source:HGNC Symbol;Acc:HGNC:23419]	protein coding	-0.6515	2.6000	7.7383	0.0054	0.0256

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135441	BLOC1S1	biogenesis of lysosomal organelles complex 1 subunit 1 [Source:HGNC Symbol;Acc:HGNC:4200]	protein coding	0.6512	3.9286	15.0189	0.0001	0.0013
ENSG00000106392	C1GALT1	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:24337]	protein coding	-0.6511	5.2643	14.1330	0.0002	0.0019
ENSG00000198324	PHETA1	PH domain containing endocytic trafficking adaptor 1 [Source:HGNC Symbol;Acc:HGNC:26509]	protein coding	0.6507	3.3468	10.1337	0.0015	0.0095
ENSG00000130429	ARPC1B	actin related protein 2/3 complex subunit 1B [Source:HGNC Symbol;Acc:HGNC:704]	protein coding	0.6506	2.6047	6.8073	0.0091	0.0374
ENSG00000167984	NLRC3	NLR family CARD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29889]	protein coding	-0.6505	6.4912	13.5768	0.0002	0.0024
ENSG00000239998	LILRA2	leukocyte immunoglobulin like receptor A2 [Source:HGNC Symbol;Acc:HGNC:6603]	protein coding	0.6504	5.8690	12.3324	0.0004	0.0039
ENSG00000072415	MPP5	membrane palmitoylated protein 5 [Source:HGNC Symbol;Acc:HGNC:18669]	protein coding	-0.6503	2.2340	10.7574	0.001	0.0074
ENSG00000085871	MGST2	microsomal glutathione S-transferase 2 [Source:HGNC Symbol;Acc:HGNC:7063]	protein coding	0.6503	3.2360	10.2824	0.0013	0.009
ENSG00000102531	FNDC3A	fibronectin type III domain containing 3A [Source:HGNC Symbol;Acc:HGNC:20296]	protein coding	-0.6496	4.7787	14.3111	0.0002	0.0018
ENSG00000123685	BATF3	basic leucine zipper like transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:28915]	protein coding	0.6494	3.4578	11.7158	0.0006	0.005
ENSG00000166971	AKTIP	AKT interacting protein [Source:HGNC Symbol;Acc:HGNC:16710]	protein coding	-0.6491	4.5366	8.8275	0.003	0.0163

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000198642	KLHL9	kelch like family member 9 [Source:HGNC Symbol;Acc:HGNC:18732]	protein coding	-0.6481	5.2674	20.3558	<0.0001	0.0001
ENSG00000121807	CCR2	C-C motif chemokine receptor 2 [Source:HGNC Symbol;Acc:HGNC:1603]	protein coding	0.6481	5.7945	19.2065	<0.0001	0.0002
ENSG00000229604	MTATP8P2	MT-ATP8 2 [Source:HGNC Symbol;Acc:HGNC:44572]	pseudogene processed pseudo-gene	-0.6480	3.2429	7.8040	0.0052	0.0249
ENSG00000137075	RNF38	ring finger protein 38 [Source:HGNC Symbol;Acc:HGNC:18052]	protein coding	-0.6480	5.7260	16.0217	<0.0001	0.0009
ENSG00000198113	TOR4A	torsin family 4 member A [Source:HGNC Symbol;Acc:HGNC:25981]	protein coding	0.6479	4.5834	13.4468	0.0002	0.0025
ENSG00000181754	AMIGO1	adhesion molecule with Ig like domain 1 [Source:HGNC Symbol;Acc:HGNC:20824]	protein coding	-0.6476	4.7315	23.7335	<0.0001	<0.0001
ENSG00000143952	VPS54	VPS54 subunit of GARP complex [Source:HGNC Symbol;Acc:HGNC:18652]	protein coding	-0.6475	4.1864	10.0896	0.0015	0.0097
ENSG00000112624	BICRAL	BRD4 interacting chromatin remodeling complex associated protein like [Source:HGNC Symbol;Acc:HGNC:21111]	protein coding	-0.6475	5.5852	13.9224	0.0002	0.0021
ENSG00000015171	ZMYND11	zinc finger MYND-type containing 11 [Source:HGNC Symbol;Acc:HGNC:16966]	protein coding	-0.6469	5.3018	18.7528	<0.0001	0.0003
ENSG00000113263	ITK	IL2 inducible T cell kinase [Source:HGNC Symbol;Acc:HGNC:6171]	protein coding	-0.6469	7.6511	16.4779	<0.0001	0.0007
ENSG00000142892	PIGK	phosphatidylinositol anchor biosynthesis class K [Source:HGNC Symbol;Acc:HGNC:8965]	protein coding	-0.6468	4.4017	10.8336	0.001	0.0072
ENSG00000239951	IGKV3-20	immunoglobulin kappa variable 3-20 [Source:HGNC Symbol;Acc:HGNC:5817]	IG V gene	-0.6468	5.9213	18.3423	<0.0001	0.0003

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000080822	CLDND1	claudin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1322]	protein coding	-0.6467	4.9334	9.1508	0.0025	0.0143
ENSG00000205133	TRIQQ	triple QxxK/R motif containing [Source:HGNC Symbol;Acc:HGNC:27828]	protein coding	0.6466	3.1532	9.9702	0.0016	0.0102
ENSG00000157303	SUSD3	sushi domain containing 3 [Source:HGNC Symbol;Acc:HGNC:28391]	protein coding	-0.6466	6.9115	35.7353	<0.0001	<0.0001
ENSG00000119820	YIPF4	Yip1 domain family member 4 [Source:HGNC Symbol;Acc:HGNC:28145]	protein coding	0.6464	6.7785	9.7611	0.0018	0.0111
ENSG00000198252	STYX	serine/threonine/tyrosine interacting protein [Source:HGNC Symbol;Acc:HGNC:11447]	protein coding	-0.6463	4.9194	17.0759	<0.0001	0.0006
ENSG00000197635	DPP4	dipeptidyl peptidase 4 [Source:HGNC Symbol;Acc:HGNC:3009]	protein coding	-0.6462	5.3097	12.5591	0.0004	0.0036
ENSG00000197020	ZNF100	zinc finger protein 100 [Source:HGNC Symbol;Acc:HGNC:12880]	protein coding	-0.6461	2.5036	7.2524	0.0071	0.031
ENSG00000166091	CMTM5	CKLF like MARVEL transmembrane domain containing 5 [Source:HGNC Symbol;Acc:HGNC:19176]	protein coding	0.6460	3.1556	7.7137	0.0055	0.0258
ENSG00000226121	AHCTF1P1	AT-hook containing transcription factor 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:24620]	processed pseudogene	-0.6455	2.8570	8.0982	0.0044	0.0221
ENSG00000145685	LHFPL2	LHFPL tetraspan subfamily member 2 [Source:HGNC Symbol;Acc:HGNC:6588]	protein coding	0.6454	3.4418	15.8221	<0.0001	0.001
ENSG00000168564	CDKN2AIP	CDKN2A interacting protein [Source:HGNC Symbol;Acc:HGNC:24325]	protein coding	-0.6454	5.3353	15.8920	<0.0001	0.0009
ENSG00000120708	TGFB1	transforming growth factor beta induced [Source:HGNC Symbol;Acc:HGNC:11771]	protein coding	0.6452	7.1068	26.6684	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000267040		novel transcript, antisense to ATP8B1	lncRNA	0.6451	4.0164	7.4577	0.0063	0.0285
ENSG00000061987	MON2	MON2 homolog, regulator of endosome-to-Golgi trafficking [Source:HGNC Symbol;Acc:HGNC:29177]	protein coding	-0.6450	4.8388	15.5628	<0.0001	0.0011
ENSG00000158186	MRAS	muscle RAS oncogene homolog [Source:HGNC Symbol;Acc:HGNC:7227]	protein coding	0.6450	2.6124	6.1018	0.0135	0.0499
ENSG00000132953	XPO4	exportin 4 [Source:HGNC Symbol;Acc:HGNC:17796]	protein coding	-0.6449	4.4081	7.7523	0.0054	0.0254
ENSG00000113282	CLINT1	clathrin interactor 1 [Source:HGNC Symbol;Acc:HGNC:23186]	protein coding	-0.6449	5.5430	18.2833	<0.0001	0.0003
ENSG00000100385	IL2RB	interleukin 2 receptor subunit beta [Source:HGNC Symbol;Acc:HGNC:6009]	protein coding	-0.6449	7.9257	22.9418	<0.0001	<0.0001
ENSG00000164713	BRI3	brain protein I3 [Source:HGNC Symbol;Acc:HGNC:1109]	protein coding	0.6449	6.9459	31.2042	<0.0001	<0.0001
ENSG00000139537	CCDC65	coiled-coil domain containing 65 [Source:HGNC Symbol;Acc:HGNC:29937]	protein coding	-0.6448	3.4100	12.6568	0.0004	0.0034
ENSG00000211973	IGHV1-69	immunoglobulin heavy variable 1-69 [Source:HGNC Symbol;Acc:HGNC:5558]	IG V gene	-0.6448	2.7179	8.1135	0.0044	0.0219
ENSG00000044115	CTNNA1	catenin alpha 1 [Source:HGNC Symbol;Acc:HGNC:2509]	protein coding	0.6448	5.2976	25.4652	<0.0001	<0.0001
ENSG00000172059	KLF11	Kruppel like factor 11 [Source:HGNC Symbol;Acc:HGNC:11811]	protein coding	-0.6447	3.5542	12.5977	0.0004	0.0035
ENSG00000205808	PLPP6	phospholipid phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:23682]	protein coding	-0.6445	3.1085	7.7703	0.0053	0.0252
ENSG00000110719	TCIRG1	T cell immune regulator 1, ATPase H+ transporting V0 subunit a3 [Source:HGNC Symbol;Acc:HGNC:11647]	protein coding	0.6445	6.7269	19.0692	<0.0001	0.0002

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000196597	ZNF782	zinc finger protein 782 [Source:HGNC Symbol;Acc:HGNC:33110]	protein coding	-0.6445	1.9774	8.2135	0.0042	0.021
ENSG00000242208	RPL5P29	ribosomal protein L5 pseudo-gene 29 [Source:HGNC Symbol;Acc:HGNC:36335]	processed pseudo-gene	-0.6436	3.9470	11.9197	0.0006	0.0046
ENSG00000164649	CDCA7L	cell division cycle associated 7 like [Source:HGNC Symbol;Acc:HGNC:30777]	protein coding	-0.6435	5.3454	12.2126	0.0005	0.0041
ENSG00000122482	ZNF644	zinc finger protein 644 [Source:HGNC Symbol;Acc:HGNC:29222]	protein coding	-0.6429	5.0085	17.8839	<0.0001	0.0004
ENSG00000132846	ZBED3	zinc finger BED-type containing 3 [Source:HGNC Symbol;Acc:HGNC:20711]	protein coding	-0.6429	2.3232	10.0811	0.0015	0.0097
ENSG00000171928	TVP23B	trans-golgi network vesicle protein 23 homolog B [Source:HGNC Symbol;Acc:HGNC:20399]	protein coding	-0.6429	3.3813	8.2746	0.004	0.0205
ENSG00000157881	PANK4	pantothenate kinase 4 (inactive) [Source:HGNC Symbol;Acc:HGNC:19366]	protein coding	-0.6428	5.6367	14.1304	0.0002	0.0019
ENSG00000073605	GSDMB	gasdermin B [Source:HGNC Symbol;Acc:HGNC:23690]	protein coding	0.6426	4.8670	19.1847	<0.0001	0.0002
ENSG00000276023	DUSP14	dual specificity phosphatase 14 [Source:HGNC Symbol;Acc:HGNC:17007]	protein coding	-0.6426	3.0198	8.9613	0.0028	0.0154
ENSG00000241351	IGKV3-11	immunoglobulin kappa variable 3-11 [Source:HGNC Symbol;Acc:HGNC:5815]	IG V gene	-0.6425	5.0330	12.2590	0.0005	0.004
ENSG00000035115	SH3YL1	SH3 and SYLF domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29546]	protein coding	-0.6422	4.8914	20.0995	<0.0001	0.0002
ENSG00000148516	ZEB1	zinc finger E-box binding homeobox 1 [Source:HGNC Symbol;Acc:HGNC:11642]	protein coding	-0.6417	4.6600	19.5638	<0.0001	0.0002
ENSG00000257093	DENND11	DENN domain containing 11 [Source:HGNC Symbol;Acc:HGNC:29472]	protein coding	-0.6411	5.7491	14.8687	0.0001	0.0014

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000275004	ZNF280B	zinc finger protein 280B [Source:HGNC Symbol;Acc:HGNC:23022]	protein coding	-0.6410	1.6308	6.1760	0.0129	0.0485
ENSG00000245958		septin 4 (sept4) pseudogene	transcribed unprocessed pseudo-gene	-0.6407	2.5983	7.5769	0.0059	0.0271
ENSG00000213799	ZNF845	zinc finger protein 845 [Source:HGNC Symbol;Acc:HGNC:25112]	protein coding	-0.6406	4.1220	12.3756	0.0004	0.0038
ENSG00000237181	PRKAR1B-AS1	PRKAR1B antisense 1 [Source:HGNC Symbol;Acc:HGNC:40470]	lncRNA	0.6404	2.6960	12.0574	0.0005	0.0044
ENSG00000134982	APC	APC regulator of WNT signaling pathway [Source:HGNC Symbol;Acc:HGNC:583]	protein coding	-0.6403	4.8823	15.5298	<0.0001	0.0011
ENSG00000082258	CCNT2	cyclin T2 [Source:HGNC Symbol;Acc:HGNC:1600]	protein coding	-0.6401	5.3052	13.6160	0.0002	0.0023
ENSG00000100129	EIF3L	eukaryotic translation initiation factor 3 subunit L [Source:HGNC Symbol;Acc:HGNC:18138]	protein coding	-0.6399	7.8204	23.5990	<0.0001	<0.0001
ENSG00000168944	CEP120	centrosomal protein 120 [Source:HGNC Symbol;Acc:HGNC:26690]	protein coding	-0.6397	5.0792	15.2629	<0.0001	0.0012
ENSG00000115548	KDM3A	lysine demethylase 3A [Source:HGNC Symbol;Acc:HGNC:20815]	protein coding	-0.6396	6.1516	22.9009	<0.0001	<0.0001
ENSG00000134545	KLRC1	killer cell lectin like receptor C1 [Source:HGNC Symbol;Acc:HGNC:6374]	protein coding	-0.6396	3.3745	12.8977	0.0003	0.0031
ENSG00000196205	EEF1A1P5	eukaryotic translation elongation factor 1 alpha 1 pseudogene 5 [Source:HGNC Symbol;Acc:HGNC:3200]	processed pseudo-gene	-0.6394	10.3383	20.9639	<0.0001	0.0001
ENSG00000134294	SLC38A2	solute carrier family 38 member 2 [Source:HGNC Symbol;Acc:HGNC:13448]	protein coding	-0.6393	6.8213	14.2839	0.0002	0.0018

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000124491	F13A1	coagulation factor XIII A chain [Source:HGNC Symbol;Acc:HGNC:3531]	protein coding	0.6393	5.9247	15.1594	<0.0001	0.0013
ENSG00000134222	PSRC1	proline and serine rich coiled-coil 1 [Source:HGNC Symbol;Acc:HGNC:24472]	protein coding	0.6392	1.9757	9.0453	0.0026	0.0149
ENSG00000145675	PIK3R1	phosphoinositide-3-kinase regulatory subunit 1 [Source:HGNC Symbol;Acc:HGNC:8979]	protein coding	-0.6392	6.2218	18.6930	<0.0001	0.0003
ENSG00000211456	SACM1L	SAC1 like phosphatidylinositol phosphatase [Source:HGNC Symbol;Acc:HGNC:17059]	protein coding	-0.6391	5.4657	15.0241	0.0001	0.0013
ENSG00000160209	PDXK	pyridoxal kinase [Source:HGNC Symbol;Acc:HGNC:8819]	protein coding	0.6390	6.3575	24.3665	<0.0001	<0.0001
ENSG00000261801	LOXL1-AS1	LOXL1 antisense 1 [Source:HGNC Symbol;Acc:HGNC:44169]	lncRNA	-0.6387	2.0182	6.8187	0.009	0.0373
ENSG00000243547	HNRNPKP4	heterogeneous nuclear ribonucleoprotein K pseudo-gene 4 [Source:HGNC Symbol;Acc:HGNC:42377]	processed pseudo-gene	-0.6380	4.4304	10.7219	0.0011	0.0075
ENSG00000114948	ADAM23	ADAM metalloproteinase domain 23 [Source:HGNC Symbol;Acc:HGNC:202]	protein coding	-0.6377	3.1656	9.9412	0.0016	0.0104
ENSG00000089041	P2RX7	purinergic receptor P2X 7 [Source:HGNC Symbol;Acc:HGNC:8537]	protein coding	0.6374	4.6860	10.1505	0.0014	0.0095
ENSG00000100284	TOM1	target of myb1 membrane trafficking protein [Source:HGNC Symbol;Acc:HGNC:11982]	protein coding	0.6371	5.7837	26.3046	<0.0001	<0.0001
ENSG00000276644	DACH1	dachshund family transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:2663]	protein coding	-0.6371	1.5518	7.6085	0.0058	0.0268
ENSG00000115966	ATF2	activating transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:784]	protein coding	-0.6370	5.0378	14.1404	0.0002	0.0019
ENSG00000125844	RRBP1	ribosome binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10448]	protein coding	0.6367	5.9963	22.8296	<0.0001	<0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000009413	REV3L	REV3 like, DNA directed polymerase zeta catalytic subunit [Source:HGNC Symbol;Acc:HGNC:9968]	protein coding	-0.6366	4.3890	17.6280	<0.0001	0.0005
ENSG00000154146	NRGN	neurogranin [Source:HGNC Symbol;Acc:HGNC:8000]	protein coding	0.6365	7.7639	8.8413	0.0029	0.0163
ENSG00000135899	SP110	SP110 nuclear body protein [Source:HGNC Symbol;Acc:HGNC:5401]	protein coding	0.6364	7.6249	16.1968	<0.0001	0.0008
ENSG00000104177	MYEF2	myelin expression factor 2 [Source:HGNC Symbol;Acc:HGNC:17940]	protein coding	-0.6364	2.2139	10.1762	0.0014	0.0094
ENSG00000184898	RBM43	RNA binding motif 43 [Source:HGNC Symbol;Acc:HGNC:24790]	protein coding	-0.6360	3.1369	12.2923	0.0005	0.004
ENSG00000143819	EPHX1	epoxide hydrolase 1 [Source:HGNC Symbol;Acc:HGNC:3401]	protein coding	-0.6358	3.6322	11.3797	0.0007	0.0057
ENSG00000095574	IKZF5	IKAROS family zinc finger 5 [Source:HGNC Symbol;Acc:HGNC:14283]	protein coding	-0.6356	4.1419	13.2675	0.0003	0.0027
ENSG00000143815	LBR	lamin B receptor [Source:HGNC Symbol;Acc:HGNC:6518]	protein coding	-0.6354	6.7376	16.1907	<0.0001	0.0008
ENSG00000187866	FAM122A	family with sequence similarity 122A [Source:HGNC Symbol;Acc:HGNC:23490]	protein coding	-0.6352	4.9371	11.5860	0.0007	0.0053
ENSG00000205593	DENND6B	DENN domain containing 6B [Source:HGNC Symbol;Acc:HGNC:32690]	protein coding	0.6351	3.8149	13.6672	0.0002	0.0023
ENSG00000106484	MEST	mesoderm specific transcript [Source:HGNC Symbol;Acc:HGNC:7028]	protein coding	-0.6350	2.5894	6.2794	0.0122	0.0465
ENSG00000254126	CD8B2	CD8b2 molecule [Source:HGNC Symbol;Acc:HGNC:1708]	protein coding	-0.6349	2.8313	8.3764	0.0038	0.0196
ENSG00000211904	IGHJ2	immunoglobulin heavy joining 2 [Source:HGNC Symbol;Acc:HGNC:5534]	IG J gene	-0.6345	1.5743	6.2266	0.0126	0.0475

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000182568	SATB1	SATB homeobox 1 [Source:HGNC Symbol;Acc:HGNC:10541]	protein coding	-0.6344	7.8222	21.3082	<0.0001	<0.0001
ENSG00000142173	COL6A2	collagen type VI alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2212]	protein coding	-0.6343	5.0884	23.0849	<0.0001	<0.0001
ENSG00000094975	SUCO	SUN domain containing ossification factor [Source:HGNC Symbol;Acc:HGNC:1240]	protein coding	-0.6339	4.5634	10.6618	0.0011	0.0077
ENSG00000187837	H1-2	H1.2 linker histone, cluster member [Source:HGNC Symbol;Acc:HGNC:4716]	protein coding	0.6337	4.5922	16.4361	<0.0001	0.0008
ENSG00000148737	TCF7L2	transcription factor 7 like 2 [Source:HGNC Symbol;Acc:HGNC:11641]	protein coding	0.6336	4.1286	8.2685	0.004	0.0206
ENSG00000168995	SIGLEC7	sialic acid binding Ig like lectin 7 [Source:HGNC Symbol;Acc:HGNC:10876]	protein coding	0.6336	3.1394	12.1128	0.0005	0.0043
ENSG00000185246	PRPF39	pre-mRNA processing factor 39 [Source:HGNC Symbol;Acc:HGNC:20314]	protein coding	-0.6335	4.7557	14.3772	0.0001	0.0017
ENSG00000133466	C1QTNF6	C1q and TNF related 6 [Source:HGNC Symbol;Acc:HGNC:14343]	protein coding	0.6335	3.4407	8.0933	0.0044	0.0221
ENSG00000214367	HAUS3	HAUS augmin like complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	protein coding	-0.6335	4.1705	7.4017	0.0065	0.0292
ENSG00000163171	CDC42EP3	CDC42 effector 3 [Source:HGNC Symbol;Acc:HGNC:16943]	protein coding	0.6334	6.2308	15.9138	<0.0001	0.0009
ENSG00000179295	PTPN11	protein tyrosine phosphatase non-receptor type 11 [Source:HGNC Symbol;Acc:HGNC:9644]	protein coding	-0.6334	5.5682	12.7253	0.0004	0.0034
ENSG00000124588	NQO2	N-ribosyldihydronicotinamide:quinone reductase 2 [Source:HGNC Symbol;Acc:HGNC:7856]	protein coding	0.6333	4.8147	17.7677	<0.0001	0.0004

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000230897	RPS18P12	ribosomal protein S18 pseudo-gene 12 [Source:HGNC Symbol;Acc:HGNC:35967]	processed pseudo-gene	-0.6331	5.1654	22.8356	<0.0001	<0.0001
ENSG00000197019	SERTAD1	SERTA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:17932]	protein coding	0.6329	4.1137	19.3349	<0.0001	0.0002
ENSG00000134758	RNF138	ring finger protein 138 [Source:HGNC Symbol;Acc:HGNC:17765]	protein coding	-0.6326	5.0763	11.7805	0.0006	0.0049
ENSG00000137462	TLR2	toll like receptor 2 [Source:HGNC Symbol;Acc:HGNC:11848]	protein coding	0.6326	5.3070	19.2519	<0.0001	0.0002
ENSG00000140807	NKD1	NKD inhibitor of WNT signaling pathway 1 [Source:HGNC Symbol;Acc:HGNC:17045]	protein coding	-0.6323	2.5974	10.1748	0.0014	0.0094
ENSG00000064547	LPAR2	lysophosphatidic acid receptor 2 [Source:HGNC Symbol;Acc:HGNC:3168]	protein coding	0.6319	4.8879	16.3491	<0.0001	0.0008
ENSG00000254415	SIGLEC14	sialic acid binding Ig like lectin 14 [Source:HGNC Symbol;Acc:HGNC:32926]	protein coding	0.6318	4.6676	14.2636	0.0002	0.0018
ENSG00000163755	HPS3	HPS3 biogenesis of lysosomal organelles complex 2 subunit 1 [Source:HGNC Symbol;Acc:HGNC:15597]	protein coding	-0.6315	4.6764	13.1919	0.0003	0.0028
ENSG00000245954	LINC02273	long intergenic non-protein coding RNA 2273 [Source:HGNC Symbol;Acc:HGNC:53188]	lncRNA	-0.6312	4.7787	18.0322	<0.0001	0.0004
ENSG00000080839	RBL1	RB transcriptional corepressor like 1 [Source:HGNC Symbol;Acc:HGNC:9893]	protein coding	-0.6312	3.9801	13.9187	0.0002	0.0021
ENSG00000105983	LMBR1	limb development membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:13243]	protein coding	-0.6312	4.2686	9.2583	0.0023	0.0138
ENSG00000211959	IGHV4-39	immunoglobulin heavy variable 4-39 [Source:HGNC Symbol;Acc:HGNC:5651]	IG V gene	-0.6311	4.7942	16.2439	<0.0001	0.0008

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000152558	TMEM123	transmembrane protein 123 [Source:HGNC Symbol;Acc:HGNC:30138]	protein coding	-0.6308	8.3702	10.6702	0.0011	0.0076
ENSG00000163736	PPBP	pro-platelet basic protein [Source:HGNC Symbol;Acc:HGNC:9240]	protein coding	0.6304	7.6657	8.6046	0.0034	0.0179
ENSG00000196387	ZNF140	zinc finger protein 140 [Source:HGNC Symbol;Acc:HGNC:12925]	protein coding	-0.6304	3.3861	7.6997	0.0055	0.0259
ENSG00000224373	IGHV4-59	immunoglobulin heavy variable 4-59 [Source:HGNC Symbol;Acc:HGNC:5654]	IG V gene	-0.6303	4.3116	14.7061	0.0001	0.0015
ENSG00000148468	FAM171A1	family with sequence similarity 171 member A1 [Source:HGNC Symbol;Acc:HGNC:23522]	protein coding	-0.6300	4.1727	19.2134	<0.0001	0.0002
ENSG00000067225	PKM	pyruvate kinase M1/2 [Source:HGNC Symbol;Acc:HGNC:9021]	protein coding	0.6299	8.4456	25.4633	<0.0001	<0.0001
ENSG00000215252	GOLGA8B	golgin A8 family member B [Source:HGNC Symbol;Acc:HGNC:31973]	protein coding	-0.6299	5.3509	8.1243	0.0044	0.0219
ENSG00000112992	NNT	nicotinamide nucleotide transhydrogenase [Source:HGNC Symbol;Acc:HGNC:7863]	protein coding	-0.6298	5.6366	19.4735	<0.0001	0.0002
ENSG00000164164	OTUD4	OTU deubiquitinase 4 [Source:HGNC Symbol;Acc:HGNC:24949]	protein coding	-0.6297	5.3829	9.8391	0.0017	0.0108
ENSG00000114302	PRKAR2A	protein kinase cAMP-dependent type II regulatory subunit alpha [Source:HGNC Symbol;Acc:HGNC:9391]	protein coding	0.6293	6.2259	8.8440	0.0029	0.0163
ENSG00000153339	TRAPPC8	trafficking protein particle complex 8 [Source:HGNC Symbol;Acc:HGNC:29169]	protein coding	-0.6292	5.3602	14.1873	0.0002	0.0019
ENSG00000215492	HNRNPA1P7	heterogeneous nuclear ribonucleoprotein A1 pseudo-gene 7 [Source:HGNC Symbol;Acc:HGNC:31015]	processed pseudo-gene	-0.6292	5.4868	19.2183	<0.0001	0.0002

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000136478	TEX2	testis expressed 2 [Source:HGNC Symbol;Acc:HGNC:30884]	protein coding	-0.6290	4.1796	7.8981	0.0049	0.024
ENSG00000188856	RPSAP47	ribosomal protein SA pseudo-gene 47 [Source:HGNC Symbol;Acc:HGNC:36162]	processed pseudo-gene	-0.6289	3.1515	6.1254	0.0133	0.0495
ENSG00000164754	RAD21	RAD21 cohesin complex component [Source:HGNC Symbol;Acc:HGNC:9811]	protein coding	-0.6287	6.6914	17.4924	<0.0001	0.0005
ENSG00000183814	LIN9	lin-9 DREAM MuvB core complex component [Source:HGNC Symbol;Acc:HGNC:30830]	protein coding	-0.6283	2.0745	6.9184	0.0085	0.0359
ENSG00000092439	TRPM7	transient receptor potential cation channel subfamily M member 7 [Source:HGNC Symbol;Acc:HGNC:17994]	protein coding	-0.6275	5.4977	16.3274	<0.0001	0.0008
ENSG00000247679		novel transcript	lncRNA	0.6274	3.8725	6.8646	0.0088	0.0366
ENSG00000158406	H4C8	H4 clustered histone 8 [Source:HGNC Symbol;Acc:HGNC:4788]	protein coding	0.6274	2.2945	7.6226	0.0058	0.0267
ENSG00000179909	ZNF154	zinc finger protein 154 [Source:HGNC Symbol;Acc:HGNC:12939]	protein coding	-0.6274	4.2155	10.3575	0.0013	0.0087
ENSG00000056097	ZFR	zinc finger RNA binding protein [Source:HGNC Symbol;Acc:HGNC:17277]	protein coding	-0.6272	5.3776	23.3397	<0.0001	<0.0001
ENSG00000215817	ZC3H11B	zinc finger CCCH-type containing 11B [Source:HGNC Symbol;Acc:HGNC:25659]	protein coding	-0.6271	3.2675	6.2071	0.0127	0.048
ENSG00000211947	IGHV3-21	immunoglobulin heavy variable 3-21 [Source:HGNC Symbol;Acc:HGNC:5586]	IG V gene	-0.6270	3.7895	15.1281	0.0001	0.0013
ENSG00000112851	ERBIN	erbb2 interacting protein [Source:HGNC Symbol;Acc:HGNC:15842]	protein coding	-0.6269	6.7025	16.3004	<0.0001	0.0008
ENSG00000138398	PPIG	peptidylprolyl isomerase G [Source:HGNC Symbol;Acc:HGNC:14650]	protein coding	0.6265	6.8370	10.2056	0.0014	0.0093

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000121060	TRIM25	tripartite motif containing 25 [Source:HGNC Symbol;Acc:HGNC:12932]	protein coding	0.6263	6.1982	21.5710	<0.0001	<0.0001
ENSG00000130775	THEMIS2	thymocyte selection associated family member 2 [Source:HGNC Symbol;Acc:HGNC:16839]	protein coding	0.6263	7.5222	23.4307	<0.0001	<0.0001
ENSG00000154310	TNIK	TRAF2 and NCK interacting kinase [Source:HGNC Symbol;Acc:HGNC:30765]	protein coding	-0.6253	5.3763	25.1555	<0.0001	<0.0001
ENSG00000211728	TRBV5-6	T cell receptor beta variable 5-6 [Source:HGNC Symbol;Acc:HGNC:12223]	TR V gene	-0.6246	2.5742	9.6106	0.0019	0.0119
ENSG00000261884		novel transcript	protein coding	0.6246	2.6807	6.3991	0.0114	0.0443
ENSG00000025800	KPNA6	karyopherin subunit alpha 6 [Source:HGNC Symbol;Acc:HGNC:6399]	protein coding	0.6246	6.7762	10.8442	0.001	0.0071
ENSG00000028137	TNFRSF1B	TNF receptor superfamily member 1B [Source:HGNC Symbol;Acc:HGNC:11917]	protein coding	0.6244	8.6987	18.3141	<0.0001	0.0003
ENSG00000111727	HCFC2	host cell factor C2 [Source:HGNC Symbol;Acc:HGNC:24972]	protein coding	-0.6241	3.2662	9.2271	0.0024	0.0139
ENSG00000256771	ZNF253	zinc finger protein 253 [Source:HGNC Symbol;Acc:HGNC:13497]	protein coding	-0.6238	3.3654	8.3904	0.0038	0.0195
ENSG00000156136	DCK	deoxycytidine kinase [Source:HGNC Symbol;Acc:HGNC:2704]	protein coding	-0.6234	5.6993	11.0400	0.0009	0.0066
ENSG00000062650	WAPL	WAPL cohesin release factor [Source:HGNC Symbol;Acc:HGNC:23293]	protein coding	-0.6233	5.8294	14.4775	0.0001	0.0017
ENSG00000117226	GBP3	guanylate binding protein 3 [Source:HGNC Symbol;Acc:HGNC:4184]	protein coding	-0.6232	4.8270	11.4996	0.0007	0.0054
ENSG00000211955	IGHV3-33	immunoglobulin heavy variable 3-33 [Source:HGNC Symbol;Acc:HGNC:5596]	IG V gene	-0.6231	3.9492	8.0866	0.0045	0.0222

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000118454	ANKRD13C	ankyrin repeat domain 13C [Source:HGNC Symbol;Acc:HGNC:25374]	protein coding	-0.6230	4.1231	13.6845	0.0002	0.0023
ENSG00000140987	ZSCAN32	zinc finger and SCAN domain containing 32 [Source:HGNC Symbol;Acc:HGNC:20812]	protein coding	-0.6227	4.4520	7.8686	0.005	0.0243
ENSG00000063245	EPN1	epsin 1 [Source:HGNC Symbol;Acc:HGNC:21604]	protein coding	0.6225	6.1687	15.0633	0.0001	0.0013
ENSG00000154642	C21orf91	chromosome 21 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:16459]	protein coding	-0.6225	4.4788	12.2132	0.0005	0.0041
ENSG00000213928	IRF9	interferon regulatory factor 9 [Source:HGNC Symbol;Acc:HGNC:6131]	protein coding	0.6220	4.1141	8.9448	0.0028	0.0155
ENSG00000155189	AGPAT5	1-acylglycerol-3-phosphate O- acyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:20886]	protein coding	-0.6218	5.0627	14.4322	0.0001	0.0017
ENSG00000172869	DMXL1	Dmx like 1 [Source:HGNC Symbol;Acc:HGNC:2937]	protein coding	-0.6215	4.9678	18.2065	<0.0001	0.0004
ENSG00000172331	BPGM	bisphosphoglycerate mutase [Source:HGNC Symbol;Acc:HGNC:1093]	protein coding	0.6214	5.6728	15.9096	<0.0001	0.0009
ENSG00000110090	CPT1A	carnitine palmitoyltransferase 1A [Source:HGNC Symbol;Acc:HGNC:2328]	protein coding	0.6213	6.5820	8.8410	0.0029	0.0163
ENSG00000260917		novel transcript, overlapping to VTI1A	lncRNA	-0.6213	1.9914	6.2517	0.0124	0.047
ENSG00000115526	CHST10	carbohydrate sulfotransferase 10 [Source:HGNC Symbol;Acc:HGNC:19650]	protein coding	-0.6210	2.6167	7.2671	0.007	0.0309
ENSG00000107951	MTPAP	mitochondrial poly(A) polymerase [Source:HGNC Symbol;Acc:HGNC:25532]	protein coding	-0.6210	4.3200	14.3096	0.0002	0.0018
ENSG00000211666	IGLV2-14	immunoglobulin lambda variable 2-14 [Source:HGNC Symbol;Acc:HGNC:5888]	IG V gene	-0.6209	5.3096	12.2892	0.0005	0.004
ENSG00000116679	IVNS1ABP	influenza virus NS1A binding protein [Source:HGNC Symbol;Acc:HGNC:16951]	protein coding	-0.6208	6.8858	15.9092	<0.0001	0.0009

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000136238	RAC1	Rac family small GTPase 1 [Source:HGNC Symbol;Acc:HGNC:9801]	protein coding	0.6200	7.8377	15.4632	<0.0001	0.0011
ENSG00000107954	NEURL1	neuralized E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:7761]	protein coding	0.6193	3.0052	9.6832	0.0019	0.0115
ENSG00000082397	EPB41L3	erythrocyte membrane protein band 4.1 like 3 [Source:HGNC Symbol;Acc:HGNC:3380]	protein coding	0.6191	3.7964	12.9659	0.0003	0.003
ENSG00000124203	ZNF831	zinc finger protein 831 [Source:HGNC Symbol;Acc:HGNC:16167]	protein coding	-0.6189	5.2337	23.3634	<0.0001	<0.0001
ENSG00000174839	DENND6A	DENN domain containing 6A [Source:HGNC Symbol;Acc:HGNC:26635]	protein coding	-0.6187	4.6665	16.4802	<0.0001	0.0007
ENSG00000233850	PDE1B	novel transcript	lncRNA	-0.6185	1.9715	9.2791	0.0023	0.0136
ENSG00000123360		phosphodiesterase 1B [Source:HGNC Symbol;Acc:HGNC:8775]	protein coding	0.6183	3.0614	7.7732	0.0053	0.0252
ENSG00000176018	LYSMD3	LysM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:26969]	protein coding	-0.6181	3.9737	11.1102	0.0009	0.0064
ENSG00000213235	EEF1A1P16	eukaryotic translation elongation factor 1 alpha 1 pseudogene 16 [Source:HGNC Symbol;Acc:HGNC:37889]	processed pseudo-gene	-0.6180	3.2561	11.2818	0.0008	0.006
ENSG00000228253	MT-ATP8	mitochondrially encoded ATP synthase membrane subunit 8 [Source:HGNC Symbol;Acc:HGNC:7415]	protein coding	-0.6177	8.1137	11.8230	0.0006	0.0048
ENSG00000145715	RASA1	RAS p21 protein activator 1 [Source:HGNC Symbol;Acc:HGNC:9871]	protein coding	-0.6177	4.3604	15.3731	<0.0001	0.0012
ENSG00000164168	TMEM184C	transmembrane protein 184C [Source:HGNC Symbol;Acc:HGNC:25587]	protein coding	-0.6174	4.5489	7.8257	0.0052	0.0247
ENSG00000196083	IL1RAP	interleukin 1 receptor accessory protein [Source:HGNC Symbol;Acc:HGNC:5995]	protein coding	-0.6173	2.3527	7.1089	0.0077	0.033

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000185201	IFITM2	interferon induced transmembrane protein 2 [Source:HGNC Symbol;Acc:HGNC:5413]	protein coding	0.6173	8.5542	23.8097	<0.0001	<0.0001
ENSG00000145649	GZMA	granzyme A [Source:HGNC Symbol;Acc:HGNC:4708]	protein coding	-0.6172	6.8650	16.7887	<0.0001	0.0007
ENSG00000278784		novel transcript	lncRNA	0.6168	2.1953	6.7895	0.0092	0.0377
ENSG00000168404	MLKL	mixed lineage kinase domain like pseudokinase [Source:HGNC Symbol;Acc:HGNC:26617]	protein coding	0.6166	4.9972	29.7488	<0.0001	<0.0001
ENSG00000129911	KLF16	Kruppel like factor 16 [Source:HGNC Symbol;Acc:HGNC:16857]	protein coding	0.6163	4.8758	14.4594	0.0001	0.0017
ENSG00000104219	ZDHHC2	zinc finger DHHC-type palmitoyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:18469]	protein coding	-0.6162	4.9965	9.3957	0.0022	0.013
ENSG00000175322	ZNF519	zinc finger protein 519 [Source:HGNC Symbol;Acc:HGNC:30574]	protein coding	-0.6159	1.3358	6.8488	0.0089	0.0368
ENSG00000198093	ZNF649	zinc finger protein 649 [Source:HGNC Symbol;Acc:HGNC:25741]	protein coding	-0.6159	3.1000	10.3593	0.0013	0.0087
ENSG00000170379	TCAF2	TRPM8 channel associated factor 2 [Source:HGNC Symbol;Acc:HGNC:26878]	protein coding	-0.6158	3.0847	7.0379	0.008	0.034
ENSG00000101347	SAMHD1	SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:15925]	protein coding	0.6156	9.5184	28.6585	<0.0001	<0.0001
ENSG00000072954	TMEM38A	transmembrane protein 38A [Source:HGNC Symbol;Acc:HGNC:28462]	protein coding	0.6153	2.2388	6.6329	0.01	0.0401
ENSG00000165272	AQP3	aquaporin 3 (Gill blood group) [Source:HGNC Symbol;Acc:HGNC:636]	protein coding	-0.6152	5.7020	18.1841	<0.0001	0.0004
ENSG00000179195	ZNF664	zinc finger protein 664 [Source:HGNC Symbol;Acc:HGNC:25406]	protein coding	-0.6151	5.1704	11.9277	0.0006	0.0046

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000011566	MAP4K3	mitogen-activated protein kinase kinase kinase kinase 3 [Source:HGNC Symbol;Acc:HGNC:6865]	protein coding	-0.6151	2.4766	6.5167	0.0107	0.042
ENSG00000148411	NACC2	NACC family member 2 [Source:HGNC Symbol;Acc:HGNC:23846]	protein coding	0.6150	4.4995	22.5055	<0.0001	<0.0001
ENSG00000113448	PDE4D	phosphodiesterase 4D [Source:HGNC Symbol;Acc:HGNC:8783]	protein coding	-0.6149	4.4571	10.8564	0.001	0.0071
ENSG00000174405	LIG4	DNA ligase 4 [Source:HGNC Symbol;Acc:HGNC:6601]	protein coding	-0.6147	4.3921	10.6027	0.0011	0.0079
ENSG00000140443	IGF1R	insulin like growth factor 1 receptor [Source:HGNC Symbol;Acc:HGNC:5465]	protein coding	-0.6146	5.2272	16.0446	<0.0001	0.0009
ENSG00000166260	COX11	cytochrome c oxidase copper chaperone COX11 [Source:HGNC Symbol;Acc:HGNC:2261]	protein coding	-0.6141	4.2036	14.9671	0.0001	0.0014
ENSG00000108622	ICAM2	intercellular adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:5345]	protein coding	-0.6141	5.1081	21.6900	<0.0001	<0.0001
ENSG00000115825	PRKD3	protein kinase D3 [Source:HGNC Symbol;Acc:HGNC:9408]	protein coding	-0.6138	4.7737	17.4721	<0.0001	0.0005
ENSG00000171823	FBXL14	F-box and leucine rich repeat protein 14 [Source:HGNC Symbol;Acc:HGNC:28624]	protein coding	-0.6134	4.4989	13.8686	0.0002	0.0021
ENSG00000124357	NAGK	N-acetylglucosamine kinase [Source:HGNC Symbol;Acc:HGNC:17174]	protein coding	0.6129	6.9223	24.4116	<0.0001	<0.0001
ENSG00000275395	FCGBP	Fc fragment of IgG binding protein [Source:HGNC Symbol;Acc:HGNC:13572]	protein coding	-0.6128	4.8932	21.9714	<0.0001	<0.0001
ENSG00000160932	LY6E	lymphocyte antigen 6 family member E [Source:HGNC Symbol;Acc:HGNC:6727]	protein coding	0.6126	8.3860	15.5055	<0.0001	0.0011
ENSG00000240489	SETP14	SET pseudogene 14 [Source:HGNC Symbol;Acc:HGNC:42933]	processed pseudo-gene	-0.6125	3.5801	7.7239	0.0054	0.0257

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000203668	CHML	CHM like Rab escort protein [Source:HGNC Symbol;Acc:HGNC:1941]	protein coding	-0.6124	3.5011	12.6664	0.0004	0.0034
ENSG00000226049	TLK2P1	tousled like kinase 2 pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:18048]	processed pseudo-gene	-0.6124	2.0993	6.9071	0.0086	0.036
ENSG00000073331	ALPK1	alpha kinase 1 [Source:HGNC Symbol;Acc:HGNC:20917]	protein coding	0.6121	3.9738	12.1877	0.0005	0.0041
ENSG00000163785	RYK	receptor like tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:10481]	protein coding	-0.6118	4.5114	12.1604	0.0005	0.0042
ENSG00000163104	SMARCD1	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1 [Source:HGNC Symbol;Acc:HGNC:18398]	protein coding	-0.6118	4.6129	13.1721	0.0003	0.0028
ENSG00000135842	NIBAN1	niban apoptosis regulator 1 [Source:HGNC Symbol;Acc:HGNC:16784]	protein coding	0.6118	5.2769	15.4177	<0.0001	0.0011
ENSG00000136868	SLC31A1	solute carrier family 31 member 1 [Source:HGNC Symbol;Acc:HGNC:11016]	protein coding	0.6116	4.9488	14.2400	0.0002	0.0018
ENSG00000137177	KIF13A	kinesin family member 13A [Source:HGNC Symbol;Acc:HGNC:14566]	protein coding	0.6115	3.5747	11.9936	0.0005	0.0045
ENSG00000180776	ZDHHC20	zinc finger DHHC-type palmitoyltransferase 20 [Source:HGNC Symbol;Acc:HGNC:20749]	protein coding	-0.6108	5.7965	11.4417	0.0007	0.0056
ENSG00000154016	GRAP	GRB2 related adaptor protein [Source:HGNC Symbol;Acc:HGNC:4562]	protein coding	-0.6108	3.3933	6.3779	0.0116	0.0447
ENSG00000083535	PIBF1	progesterone immunomodulatory binding factor 1 [Source:HGNC Symbol;Acc:HGNC:23352]	protein coding	-0.6105	3.5955	12.4550	0.0004	0.0037
ENSG00000268205		novel transcript	lncRNA	0.6104	3.9620	12.1897	0.0005	0.0041
ENSG00000123453	SARDH	sarcosine dehydrogenase [Source:HGNC Symbol;Acc:HGNC:10536]	protein coding	-0.6102	3.8341	19.6778	<0.0001	0.0002

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000267254	ZNF790-AS1	ZNF790 antisense 1 [Source:HGNC Symbol;Acc:HGNC:27617]	RNA lncRNA	0.6101	2.4061	6.1139	0.0134	0.0498
ENSG00000215039	CD27-AS1	CD27 antisense 1 [Source:HGNC Symbol;Acc:HGNC:43896]	RNA lncRNA	0.6099	3.3202	11.7742	0.0006	0.0049
ENSG00000244754	N4BP2L2	NEDD4 binding protein 2 like 2 [Source:HGNC Symbol;Acc:HGNC:26916]	protein coding	0.6099	7.1283	9.5931	0.002	0.012
ENSG00000100852	ARHGAP5	Rho GTPase activating protein 5 [Source:HGNC Symbol;Acc:HGNC:675]	protein coding	-0.6095	3.1336	10.3556	0.0013	0.0087
ENSG00000136897	MRPL50	mitochondrial ribosomal protein L50 [Source:HGNC Symbol;Acc:HGNC:16654]	protein coding	-0.6095	4.2489	7.1020	0.0077	0.0331
ENSG00000173327	MAP3K11	mitogen-activated protein kinase kinase 11 [Source:HGNC Symbol;Acc:HGNC:6850]	protein coding	0.6093	6.8353	18.9397	<0.0001	0.0003
ENSG00000159256	MORC3	MORC family CW-type zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:23572]	protein coding	-0.6089	5.5502	16.8355	<0.0001	0.0006
ENSG00000172340	SUCLG2	succinate-CoA ligase GDP-forming beta [Source:HGNC Symbol;Acc:HGNC:11450]	protein coding	-0.6089	5.3483	20.4120	<0.0001	0.0001
ENSG00000213903	LTB4R	leukotriene B4 receptor [Source:HGNC Symbol;Acc:HGNC:6713]	protein coding	0.6088	4.1651	14.2645	0.0002	0.0018
ENSG00000170113	NIPA1	NIPA magnesium transporter 1 [Source:HGNC Symbol;Acc:HGNC:17043]	protein coding	-0.6085	3.7374	12.6315	0.0004	0.0035
ENSG00000162851	TFB2M	transcription factor B2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:18559]	protein coding	-0.6075	3.4878	9.3576	0.0022	0.0132
ENSG00000163608	NEPRO	nucleolus and neural progenitor protein [Source:HGNC Symbol;Acc:HGNC:24496]	protein coding	-0.6073	5.5881	14.8930	0.0001	0.0014
ENSG00000126581	BECN1	beclin 1 [Source:HGNC Symbol;Acc:HGNC:1034]	protein coding	-0.6070	5.6142	10.7351	0.0011	0.0075

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000280135		TEC	TEC	-0.6069	2.9471	7.7334	0.0054	0.0256
ENSG00000115318	LOXL3	lysyl oxidase like 3 [Source:HGNC Symbol;Acc:HGNC:13869]	protein coding	0.6067	2.0195	6.3584	0.0117	0.045
ENSG00000231475	IGHV4-31	immunoglobulin heavy variable 4-31 [Source:HGNC Symbol;Acc:HGNC:5649]	IG V gene	-0.6066	2.5192	7.7606	0.0053	0.0253
ENSG00000197747	S100A10	S100 calcium binding protein A10 [Source:HGNC Symbol;Acc:HGNC:10487]	protein coding	0.6066	8.1148	28.6117	<0.0001	<0.0001
ENSG00000149564	ESAM	endothelial cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:17474]	protein coding	0.6066	3.4241	9.1627	0.0025	0.0143
ENSG00000159079	CFAP298	cilia and flagella associated protein 298 [Source:HGNC Symbol;Acc:HGNC:1301]	protein coding	0.6065	2.9593	11.0362	0.0009	0.0066
ENSG00000166145	SPINT1	serine peptidase inhibitor, Kunitz type 1 [Source:HGNC Symbol;Acc:HGNC:11246]	protein coding	0.6065	3.9011	10.3013	0.0013	0.0089
ENSG00000103148	NPRL3	NPRL3 like, GATOR1 complex subunit [Source:HGNC Symbol;Acc:HGNC:14124]	protein coding	0.6064	6.2544	16.4961	<0.0001	0.0007
ENSG00000198604	BAZ1A	bromodomain adjacent to zinc finger domain 1A [Source:HGNC Symbol;Acc:HGNC:960]	protein coding	0.6064	6.7305	13.2207	0.0003	0.0028
ENSG00000275835	TUBGCP5	tubulin gamma complex associated protein 5 [Source:HGNC Symbol;Acc:HGNC:18600]	protein coding	-0.6063	3.4604	11.9316	0.0006	0.0046
ENSG00000064932	SBNO2	strawberry notch homolog 2 [Source:HGNC Symbol;Acc:HGNC:29158]	protein coding	0.6062	6.3141	11.9059	0.0006	0.0046
ENSG00000104805	NUCB1	nucleobindin 1 [Source:HGNC Symbol;Acc:HGNC:8043]	protein coding	0.6061	7.5917	22.7004	<0.0001	<0.0001
ENSG00000172954	LCLAT1	lysocardiolipin acyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:26756]	protein coding	-0.6061	3.8404	13.0003	0.0003	0.003
ENSG00000069956	MAPK6	mitogen-activated protein kinase 6 [Source:HGNC Symbol;Acc:HGNC:6879]	protein coding	-0.6060	3.9595	9.6458	0.0019	0.0117

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000169826	CSGALNACT2	chondroitin sulfate N-acetylgalactosaminyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:24292]	protein coding	-0.6057	5.4866	11.5325	0.0007	0.0054
ENSG00000273749	CYFIP1	cytoplasmic FMR1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:13759]	protein coding	0.6057	4.1819	13.2708	0.0003	0.0027
ENSG00000266786	LGALS9DP	galectin 9D, pseudogene [Source:HGNC Symbol;Acc:HGNC:49896]	unprocessed pseudo-gene	0.6054	2.1155	6.8499	0.0089	0.0368
ENSG00000105879	CBLL1	Cbl proto-oncogene like 1 [Source:HGNC Symbol;Acc:HGNC:21225]	protein coding	-0.6052	5.6846	14.1441	0.0002	0.0019
ENSG00000251546	IGKV1D-39	immunoglobulin kappa variable 1D-39 [Source:HGNC Symbol;Acc:HGNC:5756]	IG V gene	-0.6049	3.5353	11.1549	0.0008	0.0063
ENSG00000144357	UBR3	ubiquitin protein ligase E3 component n-recognin 3 [Source:HGNC Symbol;Acc:HGNC:30467]	protein coding	-0.6049	4.2277	14.2779	0.0002	0.0018
ENSG00000160117	ANKLE1	ankyrin repeat and LEM domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26812]	protein coding	0.6044	2.4897	8.7709	0.0031	0.0167
ENSG00000159720	ATP6V0D1	ATPase H ⁺ transporting V0 subunit d1 [Source:HGNC Symbol;Acc:HGNC:13724]	protein coding	0.6043	6.9232	21.2828	<0.0001	<0.0001
ENSG00000120690	ELF1	E74 like ETS transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:3316]	protein coding	-0.6042	6.5780	18.9089	<0.0001	0.0003
ENSG00000196428	TSC22D2	TSC22 domain family member 2 [Source:HGNC Symbol;Acc:HGNC:29095]	protein coding	-0.6041	4.2440	9.3551	0.0022	0.0132
ENSG00000163312	HELQ	helicase, POLQ like [Source:HGNC Symbol;Acc:HGNC:18536]	protein coding	-0.6041	4.1855	12.1055	0.0005	0.0043
ENSG00000236562	IFITM3P1	IFITM3 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:54538]	processed pseudo-gene	0.6033	2.5250	8.8730	0.0029	0.0161

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000169612	RAMAC	RNA guanine-7 methyl-transferase activating sub-unit [Source:HGNC Symbol;Acc:HGNC:31022]	protein coding	-0.6033	2.4907	6.5610	0.0104	0.0413
ENSG00000108774	RAB5C	RAB5C, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9785]	protein coding	0.6033	6.1479	23.4851	<0.0001	<0.0001
ENSG00000173889	PHC3	polyhomeotic homolog 3 [Source:HGNC Symbol;Acc:HGNC:15682]	protein coding	-0.6031	6.0207	12.8923	0.0003	0.0031
ENSG00000142552	RCN3	reticulocalbin 3 [Source:HGNC Symbol;Acc:HGNC:21145]	protein coding	0.6027	3.1634	8.7067	0.0032	0.0172
ENSG00000145819	ARHGAP26	Rho GTPase activating protein 26 [Source:HGNC Symbol;Acc:HGNC:17073]	protein coding	0.6027	5.7676	21.2735	<0.0001	<0.0001
ENSG00000211945	IGHV1-18	immunoglobulin heavy variable 1-18 [Source:HGNC Symbol;Acc:HGNC:5549]	IG V gene	-0.6024	4.3503	6.4864	0.0109	0.0425
ENSG00000079277	MKNK1	MAPK interacting serine/threonine kinase 1 [Source:HGNC Symbol;Acc:HGNC:7110]	protein coding	0.6022	4.8015	21.8806	<0.0001	<0.0001
ENSG00000198464	ZNF480	zinc finger protein 480 [Source:HGNC Symbol;Acc:HGNC:23305]	protein coding	-0.6019	4.2780	9.1950	0.0024	0.0141
ENSG00000180230	NACAP2	NACA pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:49489]	processed pseudogene	-0.6012	2.9183	11.0276	0.0009	0.0066
ENSG00000214199	EEF1A1P12	eukaryotic translation elongation factor 1 alpha 1 pseudogene 12 [Source:HGNC Symbol;Acc:HGNC:3195]	processed pseudogene	-0.6011	3.9239	13.3340	0.0003	0.0026
ENSG00000066583	ISOC1	isochorismatase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24254]	protein coding	-0.6011	3.6222	7.2701	0.007	0.0309
ENSG00000125648	SLC25A23	solute carrier family 25 member 23 [Source:HGNC Symbol;Acc:HGNC:19375]	protein coding	-0.6009	5.0653	17.0238	<0.0001	0.0006

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000104442	ARMC1	armadillo repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:17684]	protein coding	-0.6008	4.4689	13.4554	0.0002	0.0025
ENSG00000132640	BTBD3	BTB domain containing 3 [Source:HGNC Symbol;Acc:HGNC:15854]	protein coding	-0.6008	2.7323	8.9523	0.0028	0.0155
ENSG00000188873	RPL10AP2	ribosomal protein L10a pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:31081]	processed pseudo-gene	-0.6006	3.4097	12.7895	0.0003	0.0033
ENSG00000118508	RAB32	RAB32, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9772]	protein coding	0.6006	5.4420	26.8675	<0.0001	<0.0001
ENSG00000266173	STRADA	STE20 related adaptor alpha [Source:HGNC Symbol;Acc:HGNC:30172]	protein coding	0.6005	3.4636	6.1702	0.013	0.0486
ENSG00000175110	MRPS22	mitochondrial ribosomal protein S22 [Source:HGNC Symbol;Acc:HGNC:14508]	protein coding	-0.6004	3.8610	7.2453	0.0071	0.0311
ENSG00000011258	MBTD1	mbt domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19866]	protein coding	-0.6003	4.5251	13.7196	0.0002	0.0022
ENSG00000174718	RESF1	retroelement silencing factor 1 [Source:HGNC Symbol;Acc:HGNC:25559]	protein coding	-0.6002	7.4486	13.6026	0.0002	0.0023
ENSG00000085514	PILRA	paired immunoglobulin like type 2 receptor alpha [Source:HGNC Symbol;Acc:HGNC:20396]	protein coding	0.5998	5.6113	16.7614	<0.0001	0.0007
ENSG00000169020	ATP5ME	ATP synthase membrane subunit e [Source:HGNC Symbol;Acc:HGNC:846]	protein coding	0.5998	5.1754	12.0969	0.0005	0.0043
ENSG00000075975	MKRN2	makorin ring finger protein 2 [Source:HGNC Symbol;Acc:HGNC:7113]	protein coding	-0.5995	4.8810	12.3586	0.0004	0.0039
ENSG00000116691	MIIP	migration and invasion inhibitory protein [Source:HGNC Symbol;Acc:HGNC:25715]	protein coding	0.5995	5.5918	19.1292	<0.0001	0.0002

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000145990	GFOD1	glucose-fructose oxidoreductase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21096]	protein coding	0.5994	4.3572	7.3684	0.0066	0.0296
ENSG00000267369		TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa (TAF5L) pseudogene	processed pseudo-gene	0.5990	2.9723	10.7430	0.001	0.0075
ENSG00000109184	DCUN1D4	defective in cullin neddylation 1 domain containing 4 [Source:HGNC Symbol;Acc:HGNC:28998]	protein coding	-0.5989	3.3842	8.0398	0.0046	0.0226
ENSG00000211637	IGLV4-69	immunoglobulin lambda variable 4-69 [Source:HGNC Symbol;Acc:HGNC:5921]	IG V gene	-0.5988	4.1440	10.3649	0.0013	0.0087
ENSG00000262246	CORO7	coronin 7 [Source:HGNC Symbol;Acc:HGNC:26161]	protein coding	0.5985	4.7192	10.8540	0.001	0.0071
ENSG00000243466	IGKV1-5	immunoglobulin kappa variable 1-5 [Source:HGNC Symbol;Acc:HGNC:5741]	IG V gene	-0.5984	4.7451	16.6364	<0.0001	0.0007
ENSG00000131023	LATS1	large tumor suppressor kinase 1 [Source:HGNC Symbol;Acc:HGNC:6514]	protein coding	-0.5984	5.0695	10.1175	0.0015	0.0096
ENSG00000174500	GCSAM	germinal center associated signaling and motility [Source:HGNC Symbol;Acc:HGNC:20253]	protein coding	-0.5983	4.6787	13.7754	0.0002	0.0022
ENSG00000143337	TOR1AIP1	torsin 1A interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:29456]	protein coding	-0.5982	5.3941	15.4481	<0.0001	0.0011
ENSG00000126214	KLC1	kinesin light chain 1 [Source:HGNC Symbol;Acc:HGNC:6387]	protein coding	0.5982	3.6970	11.6339	0.0006	0.0052
ENSG00000160593	JAML	junction adhesion molecule like [Source:HGNC Symbol;Acc:HGNC:19084]	protein coding	0.5981	7.2947	22.3549	<0.0001	<0.0001
ENSG00000115325	DOK1	docking protein 1 [Source:HGNC Symbol;Acc:HGNC:2990]	protein coding	0.5981	5.6124	20.7035	<0.0001	0.0001

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000136819	C9orf78	chromosome 9 open reading frame 78 [Source:HGNC Symbol;Acc:HGNC:24932]	protein coding	0.5979	8.0145	12.2932	0.0005	0.004
ENSG00000170919	TPT1-AS1	TPT1 antisense 1 [Source:HGNC Symbol;Acc:HGNC:43686]	lncRNA	0.5978	4.0306	9.0806	0.0026	0.0147
ENSG00000197928	ZNF677	zinc finger protein 677 [Source:HGNC Symbol;Acc:HGNC:28730]	protein coding	-0.5976	2.6739	6.7552	0.0093	0.0382
ENSG00000035687	ADSS2	adenylosuccinate synthase 2 [Source:HGNC Symbol;Acc:HGNC:292]	protein coding	-0.5973	4.5744	12.1849	0.0005	0.0041
ENSG00000198677	TTC37	tetratricopeptide repeat domain 37 [Source:HGNC Symbol;Acc:HGNC:23639]	protein coding	-0.5968	5.3196	14.6938	0.0001	0.0015
ENSG00000251247	ZNF345	zinc finger protein 345 [Source:HGNC Symbol;Acc:HGNC:16367]	protein coding	-0.5965	2.8462	9.1941	0.0024	0.0141
ENSG00000147526	TACC1	transforming acidic coiled-coil containing protein 1 [Source:HGNC Symbol;Acc:HGNC:11522]	protein coding	0.5960	7.1516	10.0609	0.0015	0.0098
ENSG00000204435	CSNK2B	casein kinase 2 beta [Source:HGNC Symbol;Acc:HGNC:2460]	protein coding	0.5959	4.1445	9.9649	0.0016	0.0103
ENSG00000140836	ZFH3	zinc finger homeobox 3 [Source:HGNC Symbol;Acc:HGNC:777]	protein coding	0.5953	3.9077	6.5469	0.0105	0.0415
ENSG00000163281	GNPDA2	glucosamine-6-phosphate deaminase 2 [Source:HGNC Symbol;Acc:HGNC:21526]	protein coding	-0.5952	3.1376	9.4292	0.0021	0.0128
ENSG00000188786	MTF1	metal regulatory transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:7428]	protein coding	0.5950	5.2854	16.8320	<0.0001	0.0006
ENSG00000179456	ZBTB18	zinc finger and BTB domain containing 18 [Source:HGNC Symbol;Acc:HGNC:13030]	protein coding	-0.5947	6.9980	13.8679	0.0002	0.0021

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000038274	MAT2B	methionine adenosyltransferase 2B [Source:HGNC Symbol;Acc:HGNC:6905]	protein coding	-0.5945	7.2561	14.0166	0.0002	0.002
ENSG00000198355	PIM3	Pim-3 proto-oncogene, serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:19310]	protein coding	0.5945	5.7154	26.0245	<0.0001	<0.0001
ENSG00000172765	TMCC1	transmembrane and coiled-coil domain family 1 [Source:HGNC Symbol;Acc:HGNC:29116]	protein coding	-0.5944	4.3884	9.6274	0.0019	0.0118
ENSG00000187735	TCEA1	transcription elongation factor A1 [Source:HGNC Symbol;Acc:HGNC:11612]	protein coding	-0.5941	5.4503	17.1002	<0.0001	0.0006
ENSG00000059377	TBXAS1	thromboxane A synthase 1 [Source:HGNC Symbol;Acc:HGNC:11609]	protein coding	0.5940	5.6125	15.6368	<0.0001	0.001
ENSG00000141971	MVB12A	multivesicular body subunit 12A [Source:HGNC Symbol;Acc:HGNC:25153]	protein coding	0.5938	4.6579	11.9173	0.0006	0.0046
ENSG00000176463	SLCO3A1	solute carrier organic anion transporter family member 3A1 [Source:HGNC Symbol;Acc:HGNC:10952]	protein coding	0.5937	5.4781	12.6175	0.0004	0.0035
ENSG00000181472	ZBTB2	zinc finger and BTB domain containing 2 [Source:HGNC Symbol;Acc:HGNC:20868]	protein coding	-0.5936	5.3615	12.3055	0.0005	0.004
ENSG00000171475	WIPF2	WAS/WASL interacting protein family member 2 [Source:HGNC Symbol;Acc:HGNC:30923]	protein coding	0.5935	6.5136	10.7641	0.001	0.0074
ENSG00000166855	CLPX	caseinolytic mitochondrial matrix peptidase chaperone subunit X [Source:HGNC Symbol;Acc:HGNC:2088]	protein coding	-0.5932	5.0432	11.4096	0.0007	0.0056
ENSG00000065809	FAM107B	family with sequence similarity 107 member B [Source:HGNC Symbol;Acc:HGNC:23726]	protein coding	-0.5925	8.2296	17.3480	<0.0001	0.0005
ENSG00000240671	IGKV1-8	immunoglobulin kappa variable 1-8 [Source:HGNC Symbol;Acc:HGNC:5743]	IG V gene	-0.5922	3.4365	6.6791	0.0098	0.0394

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000127328	RAB3IP	RAB3A interacting protein [Source:HGNC Symbol;Acc:HGNC:16508]	protein coding	0.5922	4.2272	11.7755	0.0006	0.0049
ENSG00000206560	ANKRD28	ankyrin repeat domain 28 [Source:HGNC Symbol;Acc:HGNC:29024]	protein coding	-0.5917	4.3388	15.9097	<0.0001	0.0009
ENSG00000183340	JRKL	JRK like [Source:HGNC Symbol;Acc:HGNC:6200]	protein coding	-0.5917	3.8410	6.8982	0.0086	0.0361
ENSG00000186469	GNG2	G protein subunit 2 [Source:HGNC Symbol;Acc:HGNC:4404]	protein coding	-0.5915	7.1505	19.9642	<0.0001	0.0002
ENSG00000173875	ZNF791	zinc finger protein 791 [Source:HGNC Symbol;Acc:HGNC:26895]	protein coding	0.5913	6.3090	6.7229	0.0095	0.0387
ENSG00000071575	TRIB2	tribbles pseudokinase 2 [Source:HGNC Symbol;Acc:HGNC:30809]	protein coding	-0.5911	7.6654	13.0819	0.0003	0.0029
ENSG00000135426	TESPA1	thymocyte expressed, positive selection associated 1 [Source:HGNC Symbol;Acc:HGNC:29109]	protein coding	-0.5909	7.4082	29.7593	<0.0001	<0.0001
ENSG00000122694	GLIPR2	GLI pathogenesis related 2 [Source:HGNC Symbol;Acc:HGNC:18007]	protein coding	0.5905	7.3860	26.4979	<0.0001	<0.0001
ENSG00000143167	GPA33	glycoprotein A33 [Source:HGNC Symbol;Acc:HGNC:4445]	protein coding	-0.5905	5.4675	18.1019	<0.0001	0.0004
ENSG00000285967	NIPBL-DT	NIPBL divergent transcript [Source:HGNC Symbol;Acc:HGNC:51293]	lncRNA	-0.5901	3.1085	8.3593	0.0038	0.0198
ENSG00000177156	TALDO1	transaldolase 1 [Source:HGNC Symbol;Acc:HGNC:11559]	protein coding	0.5899	7.8938	24.5115	<0.0001	<0.0001
ENSG00000197724	PHF2	PHD finger protein 2 [Source:HGNC Symbol;Acc:HGNC:8920]	protein coding	-0.5898	5.4769	13.5467	0.0002	0.0024
ENSG00000107669	ATE1	arginyltransferase [Source:HGNC Symbol;Acc:HGNC:782]	protein coding	-0.5898	4.3390	16.0588	<0.0001	0.0009

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000106049	HIBADH	3-hydroxyisobutyrate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:4907]	protein coding	-0.5896	3.3061	7.1419	0.0075	0.0324
ENSG00000107789	MINPP1	multiple inositol-polyphosphate phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:7102]	protein coding	-0.5894	3.3505	7.2988	0.0069	0.0305
ENSG00000180917	CMTR2	cap methyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:25635]	protein coding	-0.5892	4.9132	13.5577	0.0002	0.0024
ENSG00000196724	ZNF418	zinc finger protein 418 [Source:HGNC Symbol;Acc:HGNC:20647]	protein coding	-0.5890	2.8526	7.6494	0.0057	0.0264
ENSG00000115687	PASK	PAS domain containing serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:17270]	protein coding	-0.5888	6.2825	27.1687	<0.0001	<0.0001
ENSG00000159658	EFCAB14	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	protein coding	-0.5883	6.9104	17.5507	<0.0001	0.0005
ENSG00000050405	LIMA1	LIM domain and actin binding 1 [Source:HGNC Symbol;Acc:HGNC:24636]	protein coding	-0.5878	3.5716	11.1375	0.0008	0.0063
ENSG00000005812	FBXL3	F-box and leucine rich repeat protein 3 [Source:HGNC Symbol;Acc:HGNC:13599]	protein coding	-0.5874	5.1891	13.0182	0.0003	0.003
ENSG00000198964	SGMS1	sphingomyelin synthase 1 [Source:HGNC Symbol;Acc:HGNC:29799]	protein coding	-0.5873	3.8047	9.9854	0.0016	0.0102
ENSG00000163932	PRKCD	protein kinase C delta [Source:HGNC Symbol;Acc:HGNC:9399]	protein coding	0.5871	6.6103	20.8598	<0.0001	0.0001
ENSG00000112290	WASF1	WASP family member 1 [Source:HGNC Symbol;Acc:HGNC:12732]	protein coding	-0.5871	2.6630	8.3503	0.0039	0.0198
ENSG00000178234	GALNT11	polypeptide N-acetylgalactosaminyltransferase 11 [Source:HGNC Symbol;Acc:HGNC:19875]	protein coding	-0.5869	4.8406	7.8762	0.005	0.0242

Supplementary Table 9: Differentially transcribed genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000137752	CASP1	caspase 1 [Source:HGNC Symbol;Acc:HGNC:1499]	protein coding	0.5868	6.3035	19.7923	<0.0001	0.0002
ENSG00000109046	WSB1	WD repeat and SOCS box containing 1 [Source:HGNC Symbol;Acc:HGNC:19221]	protein coding	0.5866	7.5362	13.5731	0.0002	0.0024
ENSG00000150593	PDCD4	programmed cell death 4 [Source:HGNC Symbol;Acc:HGNC:8763]	protein coding	-0.5864	6.5953	18.8537	<0.0001	0.0003
ENSG0000010278	CD9	CD9 molecule [Source:HGNC Symbol;Acc:HGNC:1709]	protein coding	-0.5864	3.6236	6.7320	0.0095	0.0386
ENSG00000081026	MAGI3	membrane associated guanylate kinase, WW and PDZ domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29647]	protein coding	-0.5861	2.5976	7.4119	0.0065	0.0291
ENSG00000132704	FCRL2	Fc receptor like 2 [Source:HGNC Symbol;Acc:HGNC:14875]	protein coding	0.5860	5.8494	10.9537	0.0009	0.0069
ENSG00000177683	THAP5	THAP domain containing 5 [Source:HGNC Symbol;Acc:HGNC:23188]	protein coding	-0.5858	4.2503	9.2374	0.0024	0.0139
ENSG00000261614	YBX3P1	Y-box binding protein 3 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:2429]	processed pseudo-gene	0.5856	3.6121	11.2707	0.0008	0.006
ENSG00000138964	PARVG	parvin gamma [Source:HGNC Symbol;Acc:HGNC:14654]	protein coding	0.5856	6.8852	23.1200	<0.0001	<0.0001
ENSG00000068784	SRBD1	S1 RNA binding domain 1 [Source:HGNC Symbol;Acc:HGNC:25521]	protein coding	-0.5852	3.6480	8.4174	0.0037	0.0193
ENSG00000108395	TRIM37	tripartite motif containing 37 [Source:HGNC Symbol;Acc:HGNC:7523]	protein coding	-0.5850	3.8394	9.1064	0.0025	0.0146

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000165949	IFI27	interferon alpha inducible protein 27 [Source:HGNC Symbol;Acc:HGNC:5397]	protein coding	2.7525	3.9096	27.8764	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000088827	SIGLEC1	sialic acid binding Ig like lectin 1 [Source:HGNC Symbol;Acc:HGNC:11127]	protein coding	2.6886	6.4453	17.9799	<0.0001	0.0003
ENSG00000159189	C1QC	complement C1q C chain [Source:HGNC Symbol;Acc:HGNC:1245]	protein coding	2.5448	3.0392	55.5193	<0.0001	<0.0001
ENSG00000148926	ADM	adrenomedullin [Source:HGNC Symbol;Acc:HGNC:259]	protein coding	2.4020	2.4036	77.2723	<0.0001	<0.0001
ENSG00000115155	OTOF	otoferlin [Source:HGNC Symbol;Acc:HGNC:8515]	protein coding	2.3718	3.4521	15.3090	<0.0001	0.0009
ENSG00000198019	FCGR1B	Fc fragment of IgG receptor Ib [Source:HGNC Symbol;Acc:HGNC:3614]	protein coding	2.2952	4.7704	52.4251	<0.0001	<0.0001
ENSG00000265531	FCGR1CP	Fc fragment of IgG receptor Ic, pseudogene [Source:HGNC Symbol;Acc:HGNC:3615]	unprocessed pseudo-gene	2.2938	2.9636	29.1403	<0.0001	<0.0001
ENSG00000257017	HP	haptoglobin [Source:HGNC Symbol;Acc:HGNC:5141]	protein coding	2.2707	2.7149	67.6491	<0.0001	<0.0001
ENSG00000126262	FFAR2	free fatty acid receptor 2 [Source:HGNC Symbol;Acc:HGNC:4501]	protein coding	2.2218	4.6214	40.8133	<0.0001	<0.0001
ENSG00000149131	SERPING1	serpin family G member 1 [Source:HGNC Symbol;Acc:HGNC:1228]	protein coding	2.1706	5.3438	14.3419	0.0002	0.0013
ENSG00000150337	FCGR1A	Fc fragment of IgG receptor Ia [Source:HGNC Symbol;Acc:HGNC:3613]	protein coding	2.1673	5.6244	37.1126	<0.0001	<0.0001
ENSG00000185339	TCN2	transcobalamin 2 [Source:HGNC Symbol;Acc:HGNC:11653]	protein coding	2.1296	3.8911	47.2152	<0.0001	<0.0001
ENSG00000019169	MARCO	macrophage receptor with collagenous structure [Source:HGNC Symbol;Acc:HGNC:6895]	protein coding	2.0489	3.7793	105.8081	<0.0001	<0.0001
ENSG00000103569	AQP9	aquaporin 9 [Source:HGNC Symbol;Acc:HGNC:643]	protein coding	2.0077	4.7117	53.6657	<0.0001	<0.0001
ENSG00000173369	C1QB	complement C1q B chain [Source:HGNC Symbol;Acc:HGNC:1242]	protein coding	2.0010	4.2260	35.9622	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000130202	NECTIN2	nectin cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:9707]	protein coding	1.9938	2.9389	56.0740	<0.0001	<0.0001
ENSG00000183019	MCEMP1	mast cell expressed membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:27291]	protein coding	1.9585	4.3904	110.6141	<0.0001	<0.0001
ENSG00000128383	APOBEC3A	apolipoprotein B mRNA editing enzyme catalytic subunit 3A [Source:HGNC Symbol;Acc:HGNC:17343]	protein coding	1.9226	7.2020	28.7477	<0.0001	<0.0001
ENSG00000163221	S100A12	S100 calcium binding protein A12 [Source:HGNC Symbol;Acc:HGNC:10489]	protein coding	1.8502	6.8708	83.6582	<0.0001	<0.0001
ENSG00000143546	S100A8	S100 calcium binding protein A8 [Source:HGNC Symbol;Acc:HGNC:10498]	protein coding	1.8183	10.3301	69.1263	<0.0001	<0.0001
ENSG00000173372	C1QA	complement C1q A chain [Source:HGNC Symbol;Acc:HGNC:1241]	protein coding	1.8076	4.7121	88.8064	<0.0001	<0.0001
ENSG00000110079	MS4A4A	membrane spanning 4-domains A4A [Source:HGNC Symbol;Acc:HGNC:13371]	protein coding	1.8035	3.2544	43.6843	<0.0001	<0.0001
ENSG0000010327	STAB1	stabilin 1 [Source:HGNC Symbol;Acc:HGNC:18628]	protein coding	1.7593	5.7714	39.0796	<0.0001	<0.0001
ENSG00000104918	RETN	resistin [Source:HGNC Symbol;Acc:HGNC:20389]	protein coding	1.7491	3.7946	90.7408	<0.0001	<0.0001
ENSG00000126709	IFI6	interferon alpha inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	protein coding	1.7453	8.3232	17.5375	<0.0001	0.0003
ENSG00000187116	LILRA5	leukocyte immunoglobulin like receptor A5 [Source:HGNC Symbol;Acc:HGNC:16309]	protein coding	1.7393	7.2651	80.3193	<0.0001	<0.0001
ENSG00000137959	IFI44L	interferon induced protein 44 like [Source:HGNC Symbol;Acc:HGNC:17817]	protein coding	1.7373	7.7094	13.0746	0.0003	0.0023
ENSG00000152766	ANKRD22	ankyrin repeat domain 22 [Source:HGNC Symbol;Acc:HGNC:28321]	protein coding	1.7321	3.6932	16.1399	<0.0001	0.0006

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000163220	S100A9	S100 calcium binding protein A9 [Source:HGNC Symbol;Acc:HGNC:10499]	protein coding	1.6668	11.3308	63.3246	<0.0001	<0.0001
ENSG00000142089	IFITM3	interferon induced transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:5414]	protein coding	1.6580	9.0846	38.3733	<0.0001	<0.0001
ENSG00000119917	IFIT3	interferon induced protein with tetratricopeptide repeats 3 [Source:HGNC Symbol;Acc:HGNC:5411]	protein coding	1.6483	7.7813	13.7849	0.0002	0.0017
ENSG00000186407	CD300E	CD300e molecule [Source:HGNC Symbol;Acc:HGNC:28874]	protein coding	1.6479	7.9194	62.6281	<0.0001	<0.0001
ENSG00000251442	LINC01094	long intergenic non-protein coding RNA 1094 [Source:HGNC Symbol;Acc:HGNC:49219]	lncRNA	1.6030	1.9089	41.5886	<0.0001	<0.0001
ENSG00000169385	RNASE2	ribonuclease A family member 2 [Source:HGNC Symbol;Acc:HGNC:10045]	protein coding	1.5906	4.0099	42.9230	<0.0001	<0.0001
ENSG00000171049	FPR2	formyl peptide receptor 2 [Source:HGNC Symbol;Acc:HGNC:3827]	protein coding	1.5826	3.7448	28.0602	<0.0001	<0.0001
ENSG00000025708	TYMP	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	protein coding	1.5558	7.8903	29.7757	<0.0001	<0.0001
ENSG00000177989	ODF3B	outer dense fiber of sperm tails 3B [Source:HGNC Symbol;Acc:HGNC:34388]	protein coding	1.5135	4.8256	17.6367	<0.0001	0.0003
ENSG00000171051	FPR1	formyl peptide receptor 1 [Source:HGNC Symbol;Acc:HGNC:3826]	protein coding	1.5021	6.9116	47.7298	<0.0001	<0.0001
ENSG00000204577	LILRB3	leukocyte immunoglobulin like receptor B3 [Source:HGNC Symbol;Acc:HGNC:6607]	protein coding	1.4805	7.3429	61.6776	<0.0001	<0.0001
ENSG00000233901	LINC01503	long intergenic non-protein coding RNA 1503 [Source:HGNC Symbol;Acc:HGNC:51184]	lncRNA	1.4799	2.6994	55.8114	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000174791	RIN1	Ras and Rab interactor 1 [Source:HGNC Symbol;Acc:HGNC:18749]	protein coding	1.4610	3.3784	65.9086	<0.0001	<0.0001
ENSG00000170956	CEACAM3	CEA cell adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:1815]	protein coding	1.4544	2.3224	49.3906	<0.0001	<0.0001
ENSG00000230191	IFITM3P4	IFITM3 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:54542]	processed pseudo-gene	1.4527	2.0217	20.4452	<0.0001	0.0001
ENSG00000198146	ZNF770	zinc finger protein 770 [Source:HGNC Symbol;Acc:HGNC:26061]	protein coding	-1.4527	3.5063	71.4889	<0.0001	<0.0001
ENSG00000248483	POU5F2	POU domain class 5, transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:26367]	protein coding	1.4480	1.7480	36.8873	<0.0001	<0.0001
ENSG00000197249	SERPINA1	serpin family A member 1 [Source:HGNC Symbol;Acc:HGNC:8941]	protein coding	1.4409	9.1209	59.2371	<0.0001	<0.0001
ENSG00000180061	TMEM150B	transmembrane 150B [Source:HGNC Symbol;Acc:HGNC:34415]	protein coding	1.4258	2.4787	18.2047	<0.0001	0.0003
ENSG00000259926	HOMER3	novel transcript	lncRNA	1.4201	2.2672	15.8744	<0.0001	0.0007
ENSG00000051128		homer scaffold protein 3 [Source:HGNC Symbol;Acc:HGNC:17514]	protein coding	1.4184	2.0540	41.0675	<0.0001	<0.0001
ENSG00000111424	VDR	vitamin D receptor [Source:HGNC Symbol;Acc:HGNC:12679]	protein coding	1.4116	4.8186	61.4148	<0.0001	<0.0001
ENSG00000135913	USP37	ubiquitin specific peptidase 37 [Source:HGNC Symbol;Acc:HGNC:20063]	protein coding	-1.4101	2.2160	37.8573	<0.0001	<0.0001
ENSG00000171236	LRG1	leucine rich alpha-2-glycoprotein 1 [Source:HGNC Symbol;Acc:HGNC:29480]	protein coding	1.4094	1.9458	37.4932	<0.0001	<0.0001
ENSG00000161944	ASGR2	asialoglycoprotein receptor 2 [Source:HGNC Symbol;Acc:HGNC:743]	protein coding	1.4091	4.9096	75.9633	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000018280	SLC11A1	solute carrier family 11 member 1 [Source:HGNC Symbol;Acc:HGNC:10907]	protein coding	1.4008	6.7842	65.3291	<0.0001	<0.0001
ENSG000000173110	HSPA6	heat shock protein family A (Hsp70) member 6 [Source:HGNC Symbol;Acc:HGNC:5239]	protein coding	1.4000	4.7521	46.0053	<0.0001	<0.0001
ENSG000000160883	HK3	hexokinase 3 [Source:HGNC Symbol;Acc:HGNC:4925]	protein coding	1.3900	6.5365	50.1313	<0.0001	<0.0001
ENSG000000170458	CD14	CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628]	protein coding	1.3869	8.3741	60.6814	<0.0001	<0.0001
ENSG000000157551	KCNJ15	potassium inwardly rectifying channel subfamily J member 15 [Source:HGNC Symbol;Acc:HGNC:6261]	protein coding	1.3843	1.9796	36.1840	<0.0001	<0.0001
ENSG000000135114	OASL	2'-5'-oligoadenylate synthetase like [Source:HGNC Symbol;Acc:HGNC:8090]	protein coding	1.3829	5.9752	19.0769	<0.0001	0.0002
ENSG000000111181	SLC6A12	solute carrier family 6 member 12 [Source:HGNC Symbol;Acc:HGNC:11045]	protein coding	1.3611	2.1731	21.7426	<0.0001	<0.0001
ENSG000000157601	MX1	MX dynamin like GTPase 1 [Source:HGNC Symbol;Acc:HGNC:7532]	protein coding	1.3431	8.1153	13.3998	0.0003	0.002
ENSG000000185482	STAC3	SH3 and cysteine rich domain 3 [Source:HGNC Symbol;Acc:HGNC:28423]	protein coding	1.3314	4.5442	44.5529	<0.0001	<0.0001
ENSG000000136689	IL1RN	interleukin 1 receptor antagonist [Source:HGNC Symbol;Acc:HGNC:6000]	protein coding	1.3301	5.6245	28.0416	<0.0001	<0.0001
ENSG000000250510	GPR162	G protein-coupled receptor 162 [Source:HGNC Symbol;Acc:HGNC:16693]	protein coding	1.3175	3.5478	38.6011	<0.0001	<0.0001
ENSG000000105048	TNNT1	troponin T1, slow skeletal type [Source:HGNC Symbol;Acc:HGNC:11948]	protein coding	1.3135	2.1153	42.6353	<0.0001	<0.0001
ENSG000000105352	CEACAM4	CEA cell adhesion molecule 4 [Source:HGNC Symbol;Acc:HGNC:1816]	protein coding	1.3134	2.6096	51.3167	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135636	DYSF	dysferlin [Source:HGNC Symbol;Acc:HGNC:3097]	protein coding	1.3109	5.0535	36.8404	<0.0001	<0.0001
ENSG00000184557	SOCS3	suppressor of cytokine signaling 3 [Source:HGNC Symbol;Acc:HGNC:19391]	protein coding	1.2977	5.1827	89.9829	<0.0001	<0.0001
ENSG00000104972	LILRB1	leukocyte immunoglobulin like receptor B1 [Source:HGNC Symbol;Acc:HGNC:6605]	protein coding	1.2931	7.6192	49.5766	<0.0001	<0.0001
ENSG00000141574	SECTM1	secreted and transmembrane 1 [Source:HGNC Symbol;Acc:HGNC:10707]	protein coding	1.2810	6.4603	29.3255	<0.0001	<0.0001
ENSG00000204103	MAFB	MAF bZIP transcription factor B [Source:HGNC Symbol;Acc:HGNC:6408]	protein coding	1.2776	6.3746	38.3997	<0.0001	<0.0001
ENSG00000102524	TNFSF13B	TNF superfamily member 13b [Source:HGNC Symbol;Acc:HGNC:11929]	protein coding	1.2727	6.4898	24.9499	<0.0001	<0.0001
ENSG00000110203	FOLR3	folate receptor gamma [Source:HGNC Symbol;Acc:HGNC:3795]	protein coding	1.2722	3.7143	48.8342	<0.0001	<0.0001
ENSG00000106565	TMEM176B	transmembrane 176B [Source:HGNC Symbol;Acc:HGNC:29596]	protein coding	1.2689	7.0339	46.7765	<0.0001	<0.0001
ENSG00000143382	ADAMTSL4	ADAMTS like 4 [Source:HGNC Symbol;Acc:HGNC:19706]	protein coding	1.2681	4.1398	28.8356	<0.0001	<0.0001
ENSG00000134321	RSAD2	radical S-adenosyl methionine domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30908]	protein coding	1.2680	6.9764	9.6035	0.0019	0.0098
ENSG00000129757	CDKN1C	cyclin dependent kinase inhibitor 1C [Source:HGNC Symbol;Acc:HGNC:1786]	protein coding	1.2672	4.5620	48.0880	<0.0001	<0.0001
ENSG00000173208	ABCD2	ATP binding cassette subfamily D member 2 [Source:HGNC Symbol;Acc:HGNC:66]	protein coding	-1.2658	3.3511	47.1825	<0.0001	<0.0001
ENSG00000151948	GLT1D1	glycosyltransferase 1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26483]	protein coding	1.2615	5.0748	62.3202	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000169026	SLC49A3	solute carrier family 49 member 3 [Source:HGNC Symbol;Acc:HGNC:26177]	protein coding	1.2608	1.9060	29.5468	<0.0001	<0.0001
ENSG00000206172	HBA1	hemoglobin subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:4823]	protein coding	1.2607	11.4100	31.0740	<0.0001	<0.0001
ENSG00000183087	GAS6	growth arrest specific 6 [Source:HGNC Symbol;Acc:HGNC:4168]	protein coding	1.2606	3.7040	42.0380	<0.0001	<0.0001
ENSG00000123405	NFE2	nuclear factor, erythroid 2 [Source:HGNC Symbol;Acc:HGNC:7780]	protein coding	1.2590	6.2376	99.5791	<0.0001	<0.0001
ENSG00000037749	MFAP3	microfibril associated protein 3 [Source:HGNC Symbol;Acc:HGNC:7034]	protein coding	-1.2518	3.1945	37.4162	<0.0001	<0.0001
ENSG00000170909	OSCAR	osteoclast associated Ig-like receptor [Source:HGNC Symbol;Acc:HGNC:29960]	protein coding	1.2488	6.0048	69.7189	<0.0001	<0.0001
ENSG00000146592	CREB5	cAMP responsive element binding protein 5 [Source:HGNC Symbol;Acc:HGNC:16844]	protein coding	1.2449	3.7048	43.2112	<0.0001	<0.0001
ENSG00000211807	TRAV26-1	T cell receptor alpha variable 26-1 [Source:HGNC Symbol;Acc:HGNC:12123]	TR V gene	-1.2411	2.3612	27.1119	<0.0001	<0.0001
ENSG00000187608	ISG15	ISG15 ubiquitin like modifier [Source:HGNC Symbol;Acc:HGNC:4053]	protein coding	1.2338	8.3626	10.8751	0.001	0.0057
ENSG00000138646	HERC5	HECT and RLD domain containing E3 ubiquitin protein ligase 5 [Source:HGNC Symbol;Acc:HGNC:24368]	protein coding	1.2313	4.4678	9.0042	0.0027	0.0128
ENSG00000176928	GCNT4	glucosaminyl (N-acetyl) transferase 4 [Source:HGNC Symbol;Acc:HGNC:17973]	protein coding	-1.2277	3.5864	67.9502	<0.0001	<0.0001
ENSG00000222057	RNU4-62P	RNA, U4 small nuclear 62, pseudogene [Source:HGNC Symbol;Acc:HGNC:46998]	snRNA	1.2160	2.4283	32.3346	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000186818	LILRB4	leukocyte immunoglobulin like receptor B4 [Source:HGNC Symbol;Acc:HGNC:6608]	protein coding	1.2141	5.8912	51.2178	<0.0001	<0.0001
ENSG00000173535	TNFRSF10C	TNF receptor superfamily member 10c [Source:HGNC Symbol;Acc:HGNC:11906]	protein coding	1.2124	1.8082	39.5948	<0.0001	<0.0001
ENSG00000131042	LILRB2	leukocyte immunoglobulin like receptor B2 [Source:HGNC Symbol;Acc:HGNC:6606]	protein coding	1.2090	7.3867	48.5396	<0.0001	<0.0001
ENSG00000211815	TRAV36DV7	T cell receptor alpha variable 36/delta variable 7 [Source:HGNC Symbol;Acc:HGNC:12135]	TR V gene	-1.2090	1.5811	18.5505	<0.0001	0.0002
ENSG00000120949	TNFRSF8	TNF receptor superfamily member 8 [Source:HGNC Symbol;Acc:HGNC:11923]	protein coding	1.2086	3.5804	62.7947	<0.0001	<0.0001
ENSG00000185507	IRF7	interferon regulatory factor 7 [Source:HGNC Symbol;Acc:HGNC:6122]	protein coding	1.2085	7.3633	17.5341	<0.0001	0.0003
ENSG00000166825	ANPEP	alanyl aminopeptidase, membrane [Source:HGNC Symbol;Acc:HGNC:500]	protein coding	1.2009	6.6526	58.4675	<0.0001	<0.0001
ENSG00000189068	VSTM1	V-set and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29455]	protein coding	1.1947	3.0629	63.0249	<0.0001	<0.0001
ENSG00000161643	SIGLEC16	sialic acid binding Ig like lectin 16 (gene/pseudo-gene) [Source:HGNC Symbol;Acc:HGNC:24851]	transcribed unprocessed pseudo-gene	1.1932	1.6819	15.0059	0.0001	0.001
ENSG00000137965	IFI44	interferon induced protein 44 [Source:HGNC Symbol;Acc:HGNC:16938]	protein coding	1.1896	6.2181	10.3504	0.0013	0.0071
ENSG00000138336	TET1	tet methylcytosine dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:29484]	protein coding	-1.1878	2.0879	17.0819	<0.0001	0.0004
ENSG00000121316	PLBD1	phospholipase B domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26215]	protein coding	1.1877	6.0766	41.7546	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000185745	IFIT1	interferon induced protein with tetratricopeptide repeats 1 [Source:HGNC Symbol;Acc:HGNC:5407]	protein coding	1.1771	6.4291	6.3076	0.012	0.0416
ENSG00000232216	IGHV3-43	immunoglobulin heavy variable 3-43 [Source:HGNC Symbol;Acc:HGNC:5604]	IG V gene	-1.1759	2.4125	13.5123	0.0002	0.0019
ENSG00000070018	LRP6	LDL receptor related protein 6 [Source:HGNC Symbol;Acc:HGNC:6698]	protein coding	-1.1758	1.8698	40.2766	<0.0001	<0.0001
ENSG00000175591	P2RY2	purinergic receptor P2Y2 [Source:HGNC Symbol;Acc:HGNC:8541]	protein coding	1.1727	1.7744	21.6712	<0.0001	<0.0001
ENSG00000085265	FCN1	ficolin 1 [Source:HGNC Symbol;Acc:HGNC:3623]	protein coding	1.1706	9.7432	43.9662	<0.0001	<0.0001
ENSG00000071794	HLTF	helicase like transcription factor [Source:HGNC Symbol;Acc:HGNC:11099]	protein coding	-1.1702	1.9334	23.2130	<0.0001	<0.0001
ENSG00000211817	TRAV38-2DV8	T cell receptor alpha variable 38-2/delta variable 8 [Source:HGNC Symbol;Acc:HGNC:12138]	TR V gene	-1.1679	2.1422	16.1285	<0.0001	0.0006
ENSG00000177706	FAM20C	FAM20C golgi associated secretory pathway kinase [Source:HGNC Symbol;Acc:HGNC:22140]	protein coding	1.1675	3.8484	36.4544	<0.0001	<0.0001
ENSG00000211951	IGHV2-26	immunoglobulin heavy variable 2-26 [Source:HGNC Symbol;Acc:HGNC:5575]	IG V gene	-1.1665	1.9956	20.2182	<0.0001	0.0001
ENSG00000002933	TMEM176A	transmembrane 176A [Source:HGNC Symbol;Acc:HGNC:24930]	protein coding	1.1663	6.2317	56.9022	<0.0001	<0.0001
ENSG00000154165	GPR15	G protein-coupled receptor 15 [Source:HGNC Symbol;Acc:HGNC:4469]	protein coding	-1.1628	2.0752	27.5148	<0.0001	<0.0001
ENSG00000169855	ROBO1	roundabout guidance receptor 1 [Source:HGNC Symbol;Acc:HGNC:10249]	protein coding	-1.1624	2.3229	24.4606	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000140044	JDP2	Jun dimerization protein 2 [Source:HGNC Symbol;Acc:HGNC:17546]	protein coding	1.1622	4.3280	52.3291	<0.0001	<0.0001
ENSG00000168528	SERINC2	serine incorporator 2 [Source:HGNC Symbol;Acc:HGNC:23231]	protein coding	1.1614	2.4866	26.0526	<0.0001	<0.0001
ENSG00000140105	WARS1	tryptophanyl-tRNA synthetase 1 [Source:HGNC Symbol;Acc:HGNC:12729]	protein coding	1.1603	8.2807	16.8564	<0.0001	0.0005
ENSG00000165178	NCF1C	neutrophil cytosolic factor 1C pseudogene [Source:HGNC Symbol;Acc:HGNC:32523]	unprocessed pseudo-gene	1.1602	7.4954	31.4427	<0.0001	<0.0001
ENSG00000130303	BST2	bone marrow stromal cell antigen 2 [Source:HGNC Symbol;Acc:HGNC:1119]	protein coding	1.1587	7.4396	31.6557	<0.0001	<0.0001
ENSG00000230364	RPL4P3	ribosomal protein L4 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:35773]	processed pseudo-gene	-1.1573	3.3730	17.2413	<0.0001	0.0004
ENSG00000224397	SMIM25	small integral membrane protein 25 [Source:HGNC Symbol;Acc:HGNC:50328]	lncRNA	1.1563	5.8329	70.0855	<0.0001	<0.0001
ENSG00000076944	STXBP2	syntaxin binding protein 2 [Source:HGNC Symbol;Acc:HGNC:11445]	protein coding	1.1479	7.2936	56.3615	<0.0001	<0.0001
ENSG00000188536	HBA2	hemoglobin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:4824]	protein coding	1.1424	11.6580	25.3703	<0.0001	<0.0001
ENSG00000244482	LILRA6	leukocyte immunoglobulin like receptor A6 [Source:HGNC Symbol;Acc:HGNC:15495]	protein coding	1.1414	5.6439	35.8836	<0.0001	<0.0001
ENSG00000177932	ZNF354C	zinc finger protein 354C [Source:HGNC Symbol;Acc:HGNC:16736]	protein coding	-1.1404	1.7200	25.1095	<0.0001	<0.0001
ENSG00000225568		pseudogene similar to part of SUMO-1 activating enzyme subunit 2 (UBA2)	processed pseudo-gene	-1.1388	1.9133	24.9539	<0.0001	<0.0001
ENSG00000204186	ZDBF2	zinc finger DBF-type containing 2 [Source:HGNC Symbol;Acc:HGNC:29313]	protein coding	-1.1382	2.1620	14.2889	0.0002	0.0014

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000164930	FZD6	frizzled class receptor 6 [Source:HGNC Symbol;Acc:HGNC:4044]	protein coding	-1.1380	1.8504	13.6441	0.0002	0.0018
ENSG00000276644	DACH1	dachshund family transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:2663]	protein coding	-1.1368	1.4962	25.5210	<0.0001	<0.0001
ENSG00000136630	HLX	H2.0 like homeobox [Source:HGNC Symbol;Acc:HGNC:4978]	protein coding	1.1354	2.2050	29.7369	<0.0001	<0.0001
ENSG00000113749	HRH2	histamine receptor H2 [Source:HGNC Symbol;Acc:HGNC:5183]	protein coding	1.1351	6.7301	74.9518	<0.0001	<0.0001
ENSG00000196565	HBG2	hemoglobin subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:4832]	protein coding	1.1280	5.7480	32.0947	<0.0001	<0.0001
ENSG00000286242		novel transcript, antisense to UBE2D3	lncRNA	1.1278	1.6791	14.0872	0.0002	0.0015
ENSG00000008516	MMP25	matrix metalloproteinase 25 [Source:HGNC Symbol;Acc:HGNC:14246]	protein coding	1.1274	3.3092	45.7793	<0.0001	<0.0001
ENSG00000143226	FCGR2A	Fc fragment of IgG receptor IIa [Source:HGNC Symbol;Acc:HGNC:3616]	protein coding	1.1268	6.4196	27.2430	<0.0001	<0.0001
ENSG00000162512	SDC3	syndecan 3 [Source:HGNC Symbol;Acc:HGNC:10660]	protein coding	1.1247	2.5668	13.9533	0.0002	0.0016
ENSG00000213876	RPL7AP64	ribosomal protein L7a pseudogene 64 [Source:HGNC Symbol;Acc:HGNC:35821]	processed pseudogene	1.1244	3.5781	29.6876	<0.0001	<0.0001
ENSG00000211780	TRAV6	T cell receptor alpha variable 6 [Source:HGNC Symbol;Acc:HGNC:12144]	TR V gene	-1.1228	1.4753	10.1286	0.0015	0.0078
ENSG00000211789	TRAV12-2	T cell receptor alpha variable 12-2 [Source:HGNC Symbol;Acc:HGNC:12106]	TR V gene	-1.1207	3.1671	8.3902	0.0038	0.0168
ENSG00000006534	ALDH3B1	aldehyde dehydrogenase 3 family member B1 [Source:HGNC Symbol;Acc:HGNC:410]	protein coding	1.1182	5.5735	70.7307	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000163191	S100A11	S100 calcium binding protein A11 [Source:HGNC Symbol;Acc:HGNC:10488]	protein coding	1.1153	8.5915	55.5772	<0.0001	<0.0001
ENSG00000259612	EEF1A1P22	eukaryotic translation elongation factor 1 alpha 1 pseudogene 22 [Source:HGNC Symbol;Acc:HGNC:37895]	processed pseudo-gene	-1.1132	4.6980	28.1976	<0.0001	<0.0001
ENSG00000219201		novel pseudogene	processed pseudo-gene	-1.1089	2.8204	8.6972	0.0032	0.0146
ENSG00000211793	TRAV9-2	T cell receptor alpha variable 9-2 [Source:HGNC Symbol;Acc:HGNC:12154]	TR V gene	-1.1084	2.6263	26.0941	<0.0001	<0.0001
ENSG00000188305	PEAK3	PEAK family member 3 [Source:HGNC Symbol;Acc:HGNC:24793]	protein coding	1.1071	2.6270	33.4136	<0.0001	<0.0001
ENSG00000100097	LGALS1	galectin 1 [Source:HGNC Symbol;Acc:HGNC:6561]	protein coding	1.1059	7.1621	67.6883	<0.0001	<0.0001
ENSG00000183779	ZNF703	zinc finger protein 703 [Source:HGNC Symbol;Acc:HGNC:25883]	protein coding	1.1010	4.4884	44.5053	<0.0001	<0.0001
ENSG00000115464	USP34	ubiquitin specific peptidase 34 [Source:HGNC Symbol;Acc:HGNC:20066]	protein coding	-1.0968	6.0841	45.6254	<0.0001	<0.0001
ENSG00000133246	PRAM1	PML-RARA regulated adaptor molecule 1 [Source:HGNC Symbol;Acc:HGNC:30091]	protein coding	1.0931	6.3506	81.7735	<0.0001	<0.0001
ENSG00000184060	ADAP2	ArfGAP with dual PH domains 2 [Source:HGNC Symbol;Acc:HGNC:16487]	protein coding	1.0920	5.3245	43.9826	<0.0001	<0.0001
ENSG00000213985		ARP2 actin-related protein 2 homolog (yeast) (ACTR2) pseudogene	processed pseudo-gene	-1.0920	2.7937	18.2069	<0.0001	0.0003
ENSG00000211785	TRAV12-1	T cell receptor alpha variable 12-1 [Source:HGNC Symbol;Acc:HGNC:12105]	TR V gene	-1.0915	2.9265	16.0896	<0.0001	0.0006
ENSG00000106605	BLVRA	biliverdin reductase A [Source:HGNC Symbol;Acc:HGNC:1062]	protein coding	1.0914	5.1636	30.3852	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000130487	KLHDC7B	kelch domain containing 7B [Source:HGNC Symbol;Acc:HGNC:25145]	protein coding	1.0829	4.2880	22.9883	<0.0001	<0.0001
ENSG00000172216	CEBPB	CCAAT enhancer binding protein beta [Source:HGNC Symbol;Acc:HGNC:1834]	protein coding	1.0827	6.9027	50.5240	<0.0001	<0.0001
ENSG00000100292	HMOX1	heme oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:5013]	protein coding	1.0825	6.1253	39.7391	<0.0001	<0.0001
ENSG00000223722	IFITM3P2	IFITM3 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:54539]	processed pseudo-gene	1.0812	5.0317	24.6489	<0.0001	<0.0001
ENSG00000157168	NRG1	neuregulin 1 [Source:HGNC Symbol;Acc:HGNC:7997]	protein coding	1.0809	2.5474	41.0184	<0.0001	<0.0001
ENSG00000211784	TRAV10	T cell receptor alpha variable 10 [Source:HGNC Symbol;Acc:HGNC:12103]	TR V gene	-1.0806	1.6854	9.7641	0.0018	0.0091
ENSG00000141505	ASGR1	asialoglycoprotein receptor 1 [Source:HGNC Symbol;Acc:HGNC:742]	protein coding	1.0791	4.3261	39.2357	<0.0001	<0.0001
ENSG00000162772	ATF3	activating transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:785]	protein coding	1.0786	1.8213	13.6294	0.0002	0.0018
ENSG00000225963		novel transcript, antisense to SP110	lncRNA	1.0781	3.3831	20.5564	<0.0001	<0.0001
ENSG00000117984	CTSD	cathepsin D [Source:HGNC Symbol;Acc:HGNC:2529]	protein coding	1.0764	7.7000	61.2609	<0.0001	<0.0001
ENSG00000182487	NCF1B	neutrophil cytosolic factor 1B pseudogene [Source:HGNC Symbol;Acc:HGNC:32522]	transcribed unprocessed pseudo-gene	1.0748	6.5129	34.1023	<0.0001	<0.0001
ENSG00000038945	MSR1	macrophage scavenger receptor 1 [Source:HGNC Symbol;Acc:HGNC:7376]	protein coding	1.0731	2.5496	9.7592	0.0018	0.0091
ENSG00000180530	NRIP1	nuclear receptor interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:8001]	protein coding	-1.0723	4.0372	41.6839	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211799	TRAV19	T cell receptor alpha variable 19 [Source:HGNC Symbol;Acc:HGNC:12115]	TR V gene	-1.0711	3.1072	13.4903	0.0002	0.0019
ENSG00000166527	CLEC4D	C-type lectin domain family 4 member D [Source:HGNC Symbol;Acc:HGNC:14554]	protein coding	1.0684	2.7613	16.2924	<0.0001	0.0006
ENSG00000175489	LRRC25	leucine rich repeat containing 25 [Source:HGNC Symbol;Acc:HGNC:29806]	protein coding	1.0676	7.1617	38.8665	<0.0001	<0.0001
ENSG00000232952		matrin 3 (MATR3) pseudogene	processed pseudo-gene	-1.0667	2.2769	14.3128	0.0002	0.0014
ENSG00000251571	DDX3P3	DEAD-box helicase 3 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:42173]	processed pseudo-gene	-1.0661	2.1537	12.7665	0.0004	0.0026
ENSG00000138061	CYP1B1	cytochrome P450 family 1 subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:2597]	protein coding	1.0644	3.2893	28.6456	<0.0001	<0.0001
ENSG00000211791	TRAV13-2	T cell receptor alpha variable 13-2 [Source:HGNC Symbol;Acc:HGNC:12109]	TR V gene	-1.0630	2.4378	26.0942	<0.0001	<0.0001
ENSG00000235568	NFAM1	NFAT activating protein with ITAM motif 1 [Source:HGNC Symbol;Acc:HGNC:29872]	protein coding	1.0625	6.8642	36.6712	<0.0001	<0.0001
ENSG00000198336	MYL4	myosin light chain 4 [Source:HGNC Symbol;Acc:HGNC:7585]	protein coding	1.0621	2.4703	19.2412	<0.0001	0.0002
ENSG00000114268	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 [Source:HGNC Symbol;Acc:HGNC:8875]	protein coding	1.0613	4.5053	44.0166	<0.0001	<0.0001
ENSG00000151835	SACS	sacsin molecular chaperone [Source:HGNC Symbol;Acc:HGNC:10519]	protein coding	-1.0593	4.1682	48.8920	<0.0001	<0.0001
ENSG00000225217	HSPA7	heat shock protein family A (Hsp70) member 7 [Source:HGNC Symbol;Acc:HGNC:5240]	unprocessed pseudo-gene	1.0583	5.3717	16.7518	<0.0001	0.0005

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000284690	CD300H	CD300H molecule (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:52292]	polymorphic pseudo-gene	1.0579	4.0562	19.0955	<0.0001	0.0002
ENSG00000236562	IFITM3P1	IFITM3 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:54538]	processed pseudo-gene	1.0548	2.5951	13.3044	0.0003	0.0021
ENSG00000171817	ZNF540	zinc finger protein 540 [Source:HGNC Symbol;Acc:HGNC:25331]	protein coding	-1.0512	1.5039	26.2737	<0.0001	<0.0001
ENSG00000171448	ZBTB26	zinc finger and BTB domain containing 26 [Source:HGNC Symbol;Acc:HGNC:23383]	protein coding	-1.0511	3.1038	32.4377	<0.0001	<0.0001
ENSG00000183486	MX2	MX dynamin like GTPase 2 [Source:HGNC Symbol;Acc:HGNC:7533]	protein coding	1.0505	7.6683	14.2354	0.0002	0.0014
ENSG0000020577	SAMD4A	sterile alpha motif domain containing 4A [Source:HGNC Symbol;Acc:HGNC:23023]	protein coding	1.0496	3.4967	12.2968	0.0005	0.0032
ENSG00000070404	FSTL3	folliculin like 3 [Source:HGNC Symbol;Acc:HGNC:3973]	protein coding	1.0490	2.5399	31.4615	<0.0001	<0.0001
ENSG00000198736	MSRB1	methionine sulfoxide reductase B1 [Source:HGNC Symbol;Acc:HGNC:14133]	protein coding	1.0478	6.4101	59.9300	<0.0001	<0.0001
ENSG00000180891	CUEDC1	CUE domain containing 1 [Source:HGNC Symbol;Acc:HGNC:31350]	protein coding	1.0395	3.2425	38.4304	<0.0001	<0.0001
ENSG00000119686	FLVCR2	FLVCR heme transporter 2 [Source:HGNC Symbol;Acc:HGNC:20105]	protein coding	1.0380	3.7547	34.9384	<0.0001	<0.0001
ENSG00000211797	TRAV17	T cell receptor alpha variable 17 [Source:HGNC Symbol;Acc:HGNC:12113]	TR V gene	-1.0368	2.6381	19.8866	<0.0001	0.0001
ENSG00000172469	MANEA	mannosidase endo-alpha [Source:HGNC Symbol;Acc:HGNC:21072]	protein coding	-1.0332	3.4833	27.8392	<0.0001	<0.0001
ENSG00000186074	CD300LF	CD300 molecule like family member f [Source:HGNC Symbol;Acc:HGNC:29883]	protein coding	1.0309	5.0715	50.8710	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000104974	LILRA1	leukocyte immunoglobulin like receptor A1 [Source:HGNC Symbol;Acc:HGNC:6602]	protein coding	1.0308	6.3950	42.7975	<0.0001	<0.0001
ENSG00000211810	TRAV29DV5	T cell receptor alpha variable 29/delta variable 5 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:12127]	TR V gene	-1.0306	2.6663	10.8263	0.001	0.0058
ENSG00000123685	BATF3	basic leucine zipper like transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:28915]	protein coding	1.0295	3.5009	29.7034	<0.0001	<0.0001
ENSG00000091106	NLRC4	NLR family CARD domain containing 4 [Source:HGNC Symbol;Acc:HGNC:16412]	protein coding	1.0275	4.4116	52.9301	<0.0001	<0.0001
ENSG00000255875		poly(A) binding protein, nuclear 1 (PABPN1) pseudogene	processed pseudo-gene	1.0273	2.3123	27.1491	<0.0001	<0.0001
ENSG00000163803	PLB1	phospholipase B1 [Source:HGNC Symbol;Acc:HGNC:30041]	protein coding	1.0263	3.7754	32.4539	<0.0001	<0.0001
ENSG00000105963	ADAP1	ArfGAP with dual PH domains 1 [Source:HGNC Symbol;Acc:HGNC:16486]	protein coding	1.0250	3.8531	38.6968	<0.0001	<0.0001
ENSG00000196549	MME	membrane metalloendopeptidase [Source:HGNC Symbol;Acc:HGNC:7154]	protein coding	-1.0200	2.2438	17.5454	<0.0001	0.0003
ENSG00000115271	GCA	grancalcin [Source:HGNC Symbol;Acc:HGNC:15990]	protein coding	1.0179	5.3764	30.7688	<0.0001	<0.0001
ENSG00000143416	SELENBP1	selenium binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10719]	protein coding	1.0144	5.0448	27.0538	<0.0001	<0.0001
ENSG00000197969	VPS13A	vacuolar protein sorting 13 homolog A [Source:HGNC Symbol;Acc:HGNC:1908]	protein coding	-1.0137	4.8537	39.4900	<0.0001	<0.0001
ENSG00000138081	FBXO11	F-box protein 11 [Source:HGNC Symbol;Acc:HGNC:13590]	protein coding	-1.0105	4.2648	30.4584	<0.0001	<0.0001
ENSG00000060558	GNA15	G protein subunit alpha 15 [Source:HGNC Symbol;Acc:HGNC:4383]	protein coding	1.0103	4.5259	49.7474	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000158825	CDA	cytidine deaminase [Source:HGNC Symbol;Acc:HGNC:1712]	protein coding	1.0101	4.9859	44.6141	<0.0001	<0.0001
ENSG00000030419	IKZF2	IKAROS family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:13177]	protein coding	-1.0101	4.6133	48.7961	<0.0001	<0.0001
ENSG00000168961	LGALS9	galectin 9 [Source:HGNC Symbol;Acc:HGNC:6570]	protein coding	1.0088	7.9034	23.2250	<0.0001	<0.0001
ENSG00000172673	THEMIS	thymocyte selection associated [Source:HGNC Symbol;Acc:HGNC:21569]	protein coding	-1.0085	5.4185	53.4502	<0.0001	<0.0001
ENSG00000270871		novel transcript, antisense TAF15	lncRNA	1.0075	2.6252	10.5429	0.0012	0.0066
ENSG00000169403	PTAFR	platelet activating factor receptor [Source:HGNC Symbol;Acc:HGNC:9582]	protein coding	1.0072	7.2571	29.6939	<0.0001	<0.0001
ENSG00000198959	TGM2	transglutaminase 2 [Source:HGNC Symbol;Acc:HGNC:11778]	protein coding	1.0072	2.0443	11.2792	0.0008	0.0048
ENSG00000038427	VCAN	versican [Source:HGNC Symbol;Acc:HGNC:2464]	protein coding	1.0057	7.9275	22.0894	<0.0001	<0.0001
ENSG00000233056	ERVH48-1	endogenous retrovirus group 48 member 1 [Source:HGNC Symbol;Acc:HGNC:17216]	lncRNA	-1.0048	3.0564	30.8465	<0.0001	<0.0001
ENSG00000239998	LILRA2	leukocyte immunoglobulin like receptor A2 [Source:HGNC Symbol;Acc:HGNC:6603]	protein coding	1.0039	6.3684	56.9861	<0.0001	<0.0001
ENSG00000166002	SMCO4	single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:24810]	protein coding	1.0038	4.1666	26.8542	<0.0001	<0.0001
ENSG00000129450	SIGLEC9	sialic acid binding Ig like lectin 9 [Source:HGNC Symbol;Acc:HGNC:10878]	protein coding	1.0030	4.9970	39.3640	<0.0001	<0.0001
ENSG00000158517	NCF1	neutrophil cytosolic factor 1 [Source:HGNC Symbol;Acc:HGNC:7660]	protein coding	1.0028	7.1463	27.9274	<0.0001	<0.0001
ENSG00000171860	C3AR1	complement C3a receptor 1 [Source:HGNC Symbol;Acc:HGNC:1319]	protein coding	1.0014	4.8569	21.9008	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000101336	HCK	HCK proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:4840]	protein coding	1.0001	7.3356	40.5615	<0.0001	<0.0001
ENSG00000206588	RNU1-28P	RNA, U1 small nuclear 28, pseudogene [Source:HGNC Symbol;Acc:HGNC:37498]	snRNA	0.9975	2.2713	6.3648	0.0116	0.0405
ENSG00000178623	GPR35	G protein-coupled receptor 35 [Source:HGNC Symbol;Acc:HGNC:4492]	protein coding	0.9974	3.2137	27.5355	<0.0001	<0.0001
ENSG00000160932	LY6E	lymphocyte antigen 6 family member E [Source:HGNC Symbol;Acc:HGNC:6727]	protein coding	0.9941	9.0631	16.0430	<0.0001	0.0006
ENSG00000132205	EMILIN2	elastin microfibril interfacer 2 [Source:HGNC Symbol;Acc:HGNC:19881]	protein coding	0.9936	6.3756	50.8642	<0.0001	<0.0001
ENSG00000100373	UPK3A	uroplakin 3A [Source:HGNC Symbol;Acc:HGNC:12580]	protein coding	0.9932	1.5124	18.0764	<0.0001	0.0003
ENSG00000100300	TSPO	translocator [Source:HGNC Symbol;Acc:HGNC:1158]	protein coding	0.9923	6.1110	33.9166	<0.0001	<0.0001
ENSG00000011422	PLAUR	plasminogen activator, urokinase receptor [Source:HGNC Symbol;Acc:HGNC:9053]	protein coding	0.9904	5.0464	51.3859	<0.0001	<0.0001
ENSG00000124731	TREM1	triggering receptor expressed on myeloid cells 1 [Source:HGNC Symbol;Acc:HGNC:17760]	protein coding	0.9874	4.8105	30.9602	<0.0001	<0.0001
ENSG00000111321	LTBR	lymphotoxin beta receptor [Source:HGNC Symbol;Acc:HGNC:6718]	protein coding	0.9857	5.6972	37.3591	<0.0001	<0.0001
ENSG00000275131		phosphodiesterase 4D interacting protein (PDE4DIP) pseudogene	transcribed unprocessed pseudogene	-0.9854	3.1843	27.8295	<0.0001	<0.0001
ENSG00000155903	RASA2	RAS p21 protein activator 2 [Source:HGNC Symbol;Acc:HGNC:9872]	protein coding	-0.9840	5.5457	54.3004	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000206177	HBM	hemoglobin subunit mu [Source:HGNC Symbol;Acc:HGNC:4826]	protein coding	0.9831	3.8771	24.1246	<0.0001	<0.0001
ENSG00000165548	TMEM63C	transmembrane protein 63C [Source:HGNC Symbol;Acc:HGNC:23787]	protein coding	0.9819	2.6364	10.1080	0.0015	0.0079
ENSG00000139832	RAB20	RAB20, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:18260]	protein coding	0.9803	3.3209	21.8995	<0.0001	<0.0001
ENSG00000279159		novel transcript, antisense to MTMR3	lncRNA	0.9786	3.2042	23.8089	<0.0001	<0.0001
ENSG00000176160	HSF5	heat shock transcription factor 5 [Source:HGNC Symbol;Acc:HGNC:26862]	protein coding	-0.9782	1.5518	13.3643	0.0003	0.002
ENSG00000014257	ACP3	acid phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:125]	protein coding	0.9761	2.5694	23.0013	<0.0001	<0.0001
ENSG00000075399	VPS9D1	VPS9 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:13526]	protein coding	0.9742	4.4362	21.7073	<0.0001	<0.0001
ENSG00000103479	RBL2	RB transcriptional corepressor like 2 [Source:HGNC Symbol;Acc:HGNC:9894]	protein coding	-0.9729	7.5319	32.3273	<0.0001	<0.0001
ENSG00000068079	IFI35	interferon induced protein 35 [Source:HGNC Symbol;Acc:HGNC:5399]	protein coding	0.9722	7.0106	14.2357	0.0002	0.0014
ENSG00000250461		family with sequence similarity 133, member B (FAM133B) pseudogene	processed pseudogene	0.9709	3.1454	36.0509	<0.0001	<0.0001
ENSG00000120306	CYSTM1	cysteine rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	protein coding	0.9680	3.3674	26.2147	<0.0001	<0.0001
ENSG00000282600	IGHV3-69-1	immunoglobulin heavy variable 3-69-1 (pseudogene) [Source:HGNC Symbol;Acc:HGNC:5631]	IG V pseudogene	-0.9675	1.9318	7.9474	0.0048	0.0203

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000127954	STEAP4	STEAP4 metalloredutase [Source:HGNC Symbol;Acc:HGNC:21923]	protein coding	0.9660	2.9914	17.5938	<0.0001	0.0003
ENSG00000211964	IGHV3-48	immunoglobulin heavy variable 3-48 [Source:HGNC Symbol;Acc:HGNC:5606]	IG V gene	-0.9656	2.3134	16.3741	<0.0001	0.0006
ENSG00000135318	NT5E	5'-nucleotidase [Source:HGNC Symbol;Acc:HGNC:8021]	protein coding	-0.9646	4.2258	32.6113	<0.0001	<0.0001
ENSG00000285417		novel pseudogene	transcribed unitary pseudo-gene	-0.9626	1.5589	7.2469	0.0071	0.0274
ENSG00000009413	REV3L	REV3 like, DNA directed polymerase zeta catalytic subunit [Source:HGNC Symbol;Acc:HGNC:9968]	protein coding	-0.9622	4.3700	45.4792	<0.0001	<0.0001
ENSG00000089127	OAS1	2'-5'-oligoadenylate synthetase 1 [Source:HGNC Symbol;Acc:HGNC:8086]	protein coding	0.9621	7.5170	13.6560	0.0002	0.0018
ENSG00000174738	NR1D2	nuclear receptor subfamily 1 group D member 2 [Source:HGNC Symbol;Acc:HGNC:7963]	protein coding	-0.9606	4.5018	47.7550	<0.0001	<0.0001
ENSG00000196172	ZNF681	zinc finger protein 681 [Source:HGNC Symbol;Acc:HGNC:26457]	protein coding	-0.9592	2.3252	9.2255	0.0024	0.0116
ENSG00000105866	SP4	Sp4 transcription factor [Source:HGNC Symbol;Acc:HGNC:11209]	protein coding	-0.9588	4.2786	38.5873	<0.0001	<0.0001
ENSG00000019995	ZRANB1	zinc finger RANBP2-type containing 1 [Source:HGNC Symbol;Acc:HGNC:18224]	protein coding	-0.9581	3.7331	21.2594	<0.0001	<0.0001
ENSG00000256553	TRAV1-2	T cell receptor alpha variable 1-2 [Source:HGNC Symbol;Acc:HGNC:12102]	TR V gene	-0.9577	2.0254	18.9520	<0.0001	0.0002
ENSG00000169877	AHSP	alpha hemoglobin stabilizing protein [Source:HGNC Symbol;Acc:HGNC:18075]	protein coding	0.9560	4.5490	21.9543	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211804	TRDV1	T cell receptor delta variable 1 [Source:HGNC Symbol;Acc:HGNC:12262]	TR V gene	-0.9556	2.4961	13.1505	0.0003	0.0022
ENSG00000274422		novel transcript	lncRNA	0.9552	2.5797	11.9952	0.0005	0.0035
ENSG00000136122	BORA	BORA aurora kinase A activator [Source:HGNC Symbol;Acc:HGNC:24724]	protein coding	-0.9546	2.4852	11.3529	0.0008	0.0047
ENSG00000088992	TESC	tescalcin [Source:HGNC Symbol;Acc:HGNC:26065]	protein coding	0.9544	4.8219	55.0645	<0.0001	<0.0001
ENSG00000156414	TDRD9	tudor domain containing 9 [Source:HGNC Symbol;Acc:HGNC:20122]	protein coding	0.9537	1.4865	20.0902	<0.0001	0.0001
ENSG00000179921	GPBAR1	G protein-coupled bile acid receptor 1 [Source:HGNC Symbol;Acc:HGNC:19680]	protein coding	0.9535	5.2635	27.3359	<0.0001	<0.0001
ENSG00000226608	FTLP3	ferritin light chain pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:4000]	processed pseudogene	0.9505	8.2168	39.0215	<0.0001	<0.0001
ENSG00000066336	SPI1	Spi-1 proto-oncogene [Source:HGNC Symbol;Acc:HGNC:11241]	protein coding	0.9493	7.6459	35.8607	<0.0001	<0.0001
ENSG00000011600	TYROBP	transmembrane immune signaling adaptor TYROBP [Source:HGNC Symbol;Acc:HGNC:12449]	protein coding	0.9482	8.8499	29.1960	<0.0001	<0.0001
ENSG00000177463	NR2C2	nuclear receptor subfamily 2 group C member 2 [Source:HGNC Symbol;Acc:HGNC:7972]	protein coding	-0.9481	5.0819	40.4150	<0.0001	<0.0001
ENSG00000136830	NIBAN2	niban apoptosis regulator 2 [Source:HGNC Symbol;Acc:HGNC:25282]	protein coding	0.9475	4.6210	47.2964	<0.0001	<0.0001
ENSG00000085382	HACE1	HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:21033]	protein coding	-0.9473	2.3215	22.4539	<0.0001	<0.0001
ENSG00000095564	BTAF1	B-TFIID TATA-box binding protein associated factor 1 [Source:HGNC Symbol;Acc:HGNC:17307]	protein coding	-0.9462	5.2630	20.2627	<0.0001	0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000228253	MT-ATP8	mitochondrially encoded ATP synthase membrane sub-unit 8 [Source:HGNC Symbol;Acc:HGNC:7415]	protein coding	-0.9460	8.2379	13.7293	0.0002	0.0017
ENSG00000123444	KBTD4	kelch repeat and BTB domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23761]	protein coding	-0.9432	3.0348	22.2885	<0.0001	<0.0001
ENSG00000123384	LRP1	LDL receptor related protein 1 [Source:HGNC Symbol;Acc:HGNC:6692]	protein coding	0.9428	6.8385	44.2308	<0.0001	<0.0001
ENSG00000183813	CCR4	C-C motif chemokine receptor 4 [Source:HGNC Symbol;Acc:HGNC:1605]	protein coding	-0.9419	4.2629	11.5633	0.0007	0.0043
ENSG00000165832	TRUB1	TruB pseudouridine synthase family member 1 [Source:HGNC Symbol;Acc:HGNC:16060]	protein coding	-0.9408	3.0629	18.2190	<0.0001	0.0003
ENSG00000177082	WDR73	WD repeat domain 73 [Source:HGNC Symbol;Acc:HGNC:25928]	protein coding	-0.9406	0.9671	7.8253	0.0052	0.0213
ENSG00000158966	CACHD1	cache domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29314]	protein coding	-0.9403	2.9840	35.1574	<0.0001	<0.0001
ENSG00000248544		novel transcript, antisense to CY-FIP2	lncRNA	0.9399	1.9331	9.2837	0.0023	0.0113
ENSG00000162614	NEXN	nexilin F-actin binding protein [Source:HGNC Symbol;Acc:HGNC:29557]	protein coding	0.9397	4.8407	9.2555	0.0023	0.0114
ENSG00000172292	CERS6	ceramide synthase 6 [Source:HGNC Symbol;Acc:HGNC:23826]	protein coding	-0.9389	3.5683	38.3843	<0.0001	<0.0001
ENSG00000171729	TMEM51	transmembrane protein 51 [Source:HGNC Symbol;Acc:HGNC:25488]	protein coding	0.9382	1.7531	11.2884	0.0008	0.0048
ENSG00000167995	BEST1	bestrophin 1 [Source:HGNC Symbol;Acc:HGNC:12703]	protein coding	0.9372	2.8204	19.4295	<0.0001	0.0002
ENSG00000088387	DOCK9	dedicator of cytokinesis 9 [Source:HGNC Symbol;Acc:HGNC:14132]	protein coding	-0.9369	5.1445	45.9144	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000145390	USP53	ubiquitin specific peptidase 53 [Source:HGNC Symbol;Acc:HGNC:29255]	protein coding	-0.9368	3.2071	31.2977	<0.0001	<0.0001
ENSG00000164403	SHROOM1	shroom family member 1 [Source:HGNC Symbol;Acc:HGNC:24084]	protein coding	0.9356	2.3793	27.8034	<0.0001	<0.0001
ENSG00000237702	TRBV3-1	T cell receptor beta variable 3-1 [Source:HGNC Symbol;Acc:HGNC:12212]	TR V gene	-0.9348	3.2706	9.0903	0.0026	0.0123
ENSG00000211800	TRAV20	T cell receptor alpha variable 20 [Source:HGNC Symbol;Acc:HGNC:12117]	TR V gene	-0.9343	1.8453	8.7513	0.0031	0.0143
ENSG00000198053	SIRPA	signal regulatory protein alpha [Source:HGNC Symbol;Acc:HGNC:9662]	protein coding	0.9334	6.6231	26.1891	<0.0001	<0.0001
ENSG00000134755	DSC2	desmocollin 2 [Source:HGNC Symbol;Acc:HGNC:3036]	protein coding	0.9316	2.5757	10.7573	0.001	0.006
ENSG00000250138		POM121 membrane glycoprotein-like 1 (POM121L1) pseudogene	unprocessed pseudo-gene	0.9316	2.9640	17.1073	<0.0001	0.0004
ENSG00000052749	RRP12	ribosomal RNA processing 12 homolog [Source:HGNC Symbol;Acc:HGNC:29100]	protein coding	0.9314	5.3584	50.6438	<0.0001	<0.0001
ENSG00000129480	DTD2	D-aminoacyl-tRNA deacylase 2 [Source:HGNC Symbol;Acc:HGNC:20277]	protein coding	-0.9313	1.5279	15.5449	<0.0001	0.0008
ENSG00000211792	TRAV14DV4	T cell receptor alpha variable 14/delta variable 4 [Source:HGNC Symbol;Acc:HGNC:12110]	TR V gene	-0.9291	2.7176	6.5994	0.0102	0.0365
ENSG00000171643	S100Z	S100 calcium binding protein Z [Source:HGNC Symbol;Acc:HGNC:30367]	protein coding	0.9277	1.8255	10.6742	0.0011	0.0062
ENSG00000152270	PDE3B	phosphodiesterase 3B [Source:HGNC Symbol;Acc:HGNC:8779]	protein coding	-0.9275	5.7887	61.3635	<0.0001	<0.0001
ENSG00000176170	SPHK1	sphingosine kinase 1 [Source:HGNC Symbol;Acc:HGNC:11240]	protein coding	0.9269	2.2438	22.1632	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000184613	NELL2	neural EGFL like 2 [Source:HGNC Symbol;Acc:HGNC:7751]	protein coding	-0.9263	5.8866	32.5669	<0.0001	<0.0001
ENSG00000134982	APC	APC regulator of WNT signaling pathway [Source:HGNC Symbol;Acc:HGNC:583]	protein coding	-0.9259	4.8825	46.8419	<0.0001	<0.0001
ENSG00000188313	PLSCR1	phospholipid scramblase 1 [Source:HGNC Symbol;Acc:HGNC:9092]	protein coding	0.9236	5.7135	14.8680	0.0001	0.0011
ENSG00000171777	RASGRP4	RAS guanyl releasing protein 4 [Source:HGNC Symbol;Acc:HGNC:18958]	protein coding	0.9236	5.5606	48.3983	<0.0001	<0.0001
ENSG00000100129	EIF3L	eukaryotic translation initiation factor 3 subunit L [Source:HGNC Symbol;Acc:HGNC:18138]	protein coding	-0.9227	7.6701	19.9189	<0.0001	0.0001
ENSG00000204472	AIF1	allograft inflammatory factor 1 [Source:HGNC Symbol;Acc:HGNC:352]	protein coding	0.9219	8.4205	32.1456	<0.0001	<0.0001
ENSG00000163606	CD200R1	CD200 receptor 1 [Source:HGNC Symbol;Acc:HGNC:24235]	protein coding	-0.9214	3.5498	30.5951	<0.0001	<0.0001
ENSG00000117479	SLC19A2	solute carrier family 19 member 2 [Source:HGNC Symbol;Acc:HGNC:10938]	protein coding	-0.9214	1.8167	10.1490	0.0014	0.0077
ENSG00000181827	RFX7	regulatory factor X7 [Source:HGNC Symbol;Acc:HGNC:25777]	protein coding	-0.9209	5.0132	50.5002	<0.0001	<0.0001
ENSG00000151650	VENTX	VENT homeobox [Source:HGNC Symbol;Acc:HGNC:13639]	protein coding	0.9209	3.6200	20.7571	<0.0001	<0.0001
ENSG00000235444	PSMB3P2	proteasome subunit beta 3 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:30150]	processed pseudo-gene	0.9204	1.4978	20.1855	<0.0001	0.0001
ENSG00000165801	ARHGEF40	Rho guanine nucleotide exchange factor 40 [Source:HGNC Symbol;Acc:HGNC:25516]	protein coding	0.9190	3.8786	24.2543	<0.0001	<0.0001
ENSG00000130598	TNNI2	troponin I2, fast skeletal type [Source:HGNC Symbol;Acc:HGNC:11946]	protein coding	0.9187	2.7390	30.8646	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000163563	MNDA	myeloid cell nuclear differentiation antigen [Source:HGNC Symbol;Acc:HGNC:7183]	protein coding	0.9180	7.0269	29.8129	<0.0001	<0.0001
ENSG00000160326	SLC2A6	solute carrier family 2 member 6 [Source:HGNC Symbol;Acc:HGNC:11011]	protein coding	0.9180	6.0163	46.5850	<0.0001	<0.0001
ENSG00000170345	FOS	Fos proto-oncogene, transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3796]	AP-1 protein coding	0.9174	5.1748	35.4892	<0.0001	<0.0001
ENSG00000023516	AKAP11	A-kinase anchoring protein 11 [Source:HGNC Symbol;Acc:HGNC:369]	protein coding	-0.9172	5.3303	50.1146	<0.0001	<0.0001
ENSG00000211801	TRAV21	T cell receptor alpha variable 21 [Source:HGNC Symbol;Acc:HGNC:12118]	TR V gene	-0.9157	2.4673	6.1174	0.0134	0.0451
ENSG00000146414	SHPRH	SNF2 histone linker PHD RING helicase [Source:HGNC Symbol;Acc:HGNC:19336]	protein coding	-0.9152	2.7671	13.7335	0.0002	0.0017
ENSG00000175105	ZNF654	zinc finger protein 654 [Source:HGNC Symbol;Acc:HGNC:25612]	protein coding	-0.9143	3.8243	24.4623	<0.0001	<0.0001
ENSG00000167850	CD300C	CD300c molecule [Source:HGNC Symbol;Acc:HGNC:19320]	protein coding	0.9139	4.5549	20.9656	<0.0001	<0.0001
ENSG00000140090	SLC24A4	solute carrier family 24 member 4 [Source:HGNC Symbol;Acc:HGNC:10978]	protein coding	0.9138	4.5599	46.3785	<0.0001	<0.0001
ENSG00000287733		novel transcript	lncRNA	0.9135	1.4883	14.8972	0.0001	0.001
ENSG00000244691	RPL10AP1	ribosomal protein L10a pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:19813]	processed pseudo-gene	-0.9127	1.3583	9.7762	0.0018	0.0091
ENSG00000172322	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	protein coding	0.9072	6.6340	38.6725	<0.0001	<0.0001
ENSG00000127311	HELB	DNA helicase B [Source:HGNC Symbol;Acc:HGNC:17196]	protein coding	-0.9061	3.3989	26.6417	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000134830	C5AR2	complement component 5a receptor 2 [Source:HGNC Symbol;Acc:HGNC:4527]	protein coding	0.9058	3.3953	34.4198	<0.0001	<0.0001
ENSG00000225101	OR52K3P	olfactory receptor family 52 subfamily K member 3 pseudogene [Source:HGNC Symbol;Acc:HGNC:15224]	transcribed unprocessed pseudo-gene	0.9055	1.6682	9.7495	0.0018	0.0091
ENSG00000101213	PTK6	protein tyrosine kinase 6 [Source:HGNC Symbol;Acc:HGNC:9617]	protein coding	0.9045	1.3065	12.7957	0.0003	0.0026
ENSG00000162840	MT2P1	metallothionein 2 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:7407]	processed pseudo-gene	0.9044	3.1041	9.5587	0.002	0.0099
ENSG00000165886	UBTD1	ubiquitin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25683]	protein coding	0.9041	2.3104	25.9392	<0.0001	<0.0001
ENSG00000286035	CD163	novel transcript	lncRNA	0.9040	2.1462	18.2492	<0.0001	0.0003
ENSG00000177575		CD163 molecule [Source:HGNC Symbol;Acc:HGNC:1631]	protein coding	0.9037	4.5718	22.5010	<0.0001	<0.0001
ENSG00000255197	NDFIP2	novel transcript	lncRNA	0.9033	6.2060	42.8574	<0.0001	<0.0001
ENSG00000102471		Nedd4 family interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:18537]	protein coding	-0.9029	1.9402	6.7221	0.0095	0.0345
ENSG00000176624	MEX3C	mex-3 RNA binding family member C [Source:HGNC Symbol;Acc:HGNC:28040]	protein coding	-0.9029	5.4027	25.5270	<0.0001	<0.0001
ENSG00000103196	CRISPLD2	cysteine rich secretory protein LCCL domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25248]	protein coding	0.9022	3.3584	24.0707	<0.0001	<0.0001
ENSG00000249936	RAC1P2	Rac family small GTPase 1 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:31414]	processed pseudo-gene	0.9021	4.5336	32.5791	<0.0001	<0.0001
ENSG00000118200	CAMSAP2	calmodulin regulated spectrin associated protein family member 2 [Source:HGNC Symbol;Acc:HGNC:29188]	protein coding	-0.9007	1.9853	15.4204	<0.0001	0.0008

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000251578	TRBV21-1	T cell receptor beta variable 21-1 (pseudogene) [Source:HGNC Symbol;Acc:HGNC:12198]	TR V pseudo-gene	-0.8997	2.4396	9.3365	0.0022	0.011
ENSG00000178789	CD300LB	CD300 molecule like family member b [Source:HGNC Symbol;Acc:HGNC:30811]	protein coding	0.8997	4.8572	32.6318	<0.0001	<0.0001
ENSG00000213096	ZNF254	zinc finger protein 254 [Source:HGNC Symbol;Acc:HGNC:13047]	protein coding	-0.8990	3.0372	25.2705	<0.0001	<0.0001
ENSG00000176845	METRNL	meteorin like, glial cell differentiation regulator [Source:HGNC Symbol;Acc:HGNC:27584]	protein coding	0.8980	5.0355	45.4524	<0.0001	<0.0001
ENSG00000179909	ZNF154	zinc finger protein 154 [Source:HGNC Symbol;Acc:HGNC:12939]	protein coding	-0.8978	4.1407	27.2546	<0.0001	<0.0001
ENSG00000211802	TRAV22	T cell receptor alpha variable 22 [Source:HGNC Symbol;Acc:HGNC:12119]	TR V gene	-0.8977	1.8134	6.3422	0.0118	0.041
ENSG00000211752	TRBV27	T cell receptor beta variable 27 [Source:HGNC Symbol;Acc:HGNC:12208]	TR V gene	-0.8973	2.8305	19.5261	<0.0001	0.0002
ENSG00000173930	SLCO4C1	solute carrier organic anion transporter family member 4C1 [Source:HGNC Symbol;Acc:HGNC:23612]	protein coding	-0.8969	2.7044	15.1964	<0.0001	0.0009
ENSG00000207005	RNU1-2	RNA, U1 small nuclear 2 [Source:HGNC Symbol;Acc:HGNC:10123]	snRNA	0.8965	3.5760	8.4104	0.0037	0.0166
ENSG00000221869	CEBPD	CCAAT enhancer binding protein delta [Source:HGNC Symbol;Acc:HGNC:1835]	protein coding	0.8963	5.0621	29.3718	<0.0001	<0.0001
ENSG00000062282	DGAT2	diacylglycerol O-acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:16940]	protein coding	0.8931	2.0275	19.7935	<0.0001	0.0001
ENSG00000227825	SLC9A7P1	solute carrier family 9 member 7 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:32679]	transcribed processed pseudo-gene	0.8929	1.7461	21.2393	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000183307	TMEM121B	transmembrane protein 121B [Source:HGNC Symbol;Acc:HGNC:1844]	protein coding	0.8925	2.9867	11.7013	0.0006	0.004
ENSG00000249485	RBBP4P1	RBBP4 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:42368]	processed pseudo-gene	-0.8910	2.4235	15.5609	<0.0001	0.0008
ENSG00000116106	EPHA4	EPH receptor A4 [Source:HGNC Symbol;Acc:HGNC:3388]	protein coding	-0.8902	4.4375	26.4016	<0.0001	<0.0001
ENSG00000196154	S100A4	S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:HGNC:10494]	protein coding	0.8902	9.1550	31.0480	<0.0001	<0.0001
ENSG00000065060	UHRF1BP1	UHRF1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:21216]	protein coding	-0.8895	3.5500	20.1147	<0.0001	0.0001
ENSG00000237254	TRBV30	T cell receptor beta variable 30 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:12214]	TR V gene	-0.8892	2.7760	13.5955	0.0002	0.0018
ENSG00000140379	BCL2A1	BCL2 related A1 [Source:HGNC Symbol;Acc:HGNC:991]	protein coding	0.8889	4.6499	23.3443	<0.0001	<0.0001
ENSG00000182718	ANXA2	annexin A2 [Source:HGNC Symbol;Acc:HGNC:537]	protein coding	0.8888	7.6429	36.0557	<0.0001	<0.0001
ENSG00000180855	ZNF443	zinc finger protein 443 [Source:HGNC Symbol;Acc:HGNC:20878]	protein coding	-0.8884	1.4586	16.0732	<0.0001	0.0006
ENSG00000135404	CD63	CD63 molecule [Source:HGNC Symbol;Acc:HGNC:1692]	protein coding	0.8883	7.0403	36.0601	<0.0001	<0.0001
ENSG00000184232	OAF	out at first homolog [Source:HGNC Symbol;Acc:HGNC:28752]	protein coding	0.8882	4.6450	36.8218	<0.0001	<0.0001
ENSG00000211750	TRBV24-1	T cell receptor beta variable 24-1 [Source:HGNC Symbol;Acc:HGNC:12203]	TR V gene	-0.8875	2.0067	10.4668	0.0012	0.0068
ENSG00000087301	TXNDC16	thioredoxin domain containing 16 [Source:HGNC Symbol;Acc:HGNC:19965]	protein coding	-0.8872	2.6923	20.2636	<0.0001	0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000115129	TP53I3	tumor protein p53 inducible protein 3 [Source:HGNC Symbol;Acc:HGNC:19373]	protein coding	0.8870	2.3626	17.4017	<0.0001	0.0004
ENSG00000236977	ANKRD44-IT1	ANKRD44 intronic transcript 1 [Source:HGNC Symbol;Acc:HGNC:41477]	lncRNA	0.8847	2.1198	12.1465	0.0005	0.0033
ENSG00000101752	MIB1	mindbomb E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:21086]	protein coding	-0.8837	3.5950	25.7542	<0.0001	<0.0001
ENSG00000162601	MYSM1	Myb like, SWIRM and MPN domains 1 [Source:HGNC Symbol;Acc:HGNC:29401]	protein coding	-0.8837	3.9567	20.0996	<0.0001	0.0001
ENSG00000185920	PTCH1	patched 1 [Source:HGNC Symbol;Acc:HGNC:9585]	protein coding	-0.8826	2.7979	18.9720	<0.0001	0.0002
ENSG00000259000	DOCK11P1	dedicator of cytokinesis 11 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:31719]	processed pseudogene	-0.8823	2.0901	9.4123	0.0022	0.0106
ENSG00000186260	MRTFB	myocardin related transcription factor B [Source:HGNC Symbol;Acc:HGNC:29819]	protein coding	-0.8819	3.2015	24.5249	<0.0001	<0.0001
ENSG00000243449	C4orf48	chromosome 4 open reading frame 48 [Source:HGNC Symbol;Acc:HGNC:34437]	protein coding	0.8808	2.7431	14.0000	0.0002	0.0015
ENSG00000136158	SPRY2	sprouty RTK signaling antagonist 2 [Source:HGNC Symbol;Acc:HGNC:11270]	protein coding	-0.8808	1.8800	8.1152	0.0044	0.0189
ENSG00000196502	SULT1A1	sulfotransferase family 1A member 1 [Source:HGNC Symbol;Acc:HGNC:11453]	protein coding	0.8806	5.0877	54.5657	<0.0001	<0.0001
ENSG00000196189	SEMA4A	semaphorin 4A [Source:HGNC Symbol;Acc:HGNC:10729]	protein coding	0.8792	5.8098	35.9028	<0.0001	<0.0001
ENSG00000148288	GBGT1	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group) [Source:HGNC Symbol;Acc:HGNC:20460]	protein coding	0.8782	3.5306	32.2607	<0.0001	<0.0001
ENSG00000146070	PLA2G7	phospholipase A2 group VII [Source:HGNC Symbol;Acc:HGNC:9040]	protein coding	0.8760	2.1508	12.0126	0.0005	0.0035

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000131023	LATS1	large tumor suppressor kinase 1 [Source:HGNC Symbol;Acc:HGNC:6514]	protein coding	-0.8752	4.9786	46.6369	<0.0001	<0.0001
ENSG00000177674	AGTRAP	angiotensin II receptor associated protein [Source:HGNC Symbol;Acc:HGNC:13539]	protein coding	0.8751	6.7980	44.8733	<0.0001	<0.0001
ENSG00000125148	MT2A	metallothionein 2A [Source:HGNC Symbol;Acc:HGNC:7406]	protein coding	0.8751	5.5749	15.5014	<0.0001	0.0008
ENSG00000109743	BST1	bone marrow stromal cell antigen 1 [Source:HGNC Symbol;Acc:HGNC:1118]	protein coding	0.8745	4.8409	25.4396	<0.0001	<0.0001
ENSG00000275791	TRBV10-3	T cell receptor beta variable 10-3 [Source:HGNC Symbol;Acc:HGNC:12179]	TR V gene	-0.8741	2.8005	8.7555	0.0031	0.0143
ENSG00000113595	TRIM23	tripartite motif containing 23 [Source:HGNC Symbol;Acc:HGNC:660]	protein coding	-0.8735	3.3697	29.4942	<0.0001	<0.0001
ENSG00000182400	TRAPPC6B	trafficking protein particle complex 6B [Source:HGNC Symbol;Acc:HGNC:23066]	protein coding	-0.8731	1.2709	14.8757	0.0001	0.0011
ENSG00000214212	C19orf38	chromosome 19 open reading frame 38 [Source:HGNC Symbol;Acc:HGNC:34073]	protein coding	0.8731	6.3555	40.0905	<0.0001	<0.0001
ENSG00000141526	SLC16A3	solute carrier family 16 member 3 [Source:HGNC Symbol;Acc:HGNC:10924]	protein coding	0.8728	5.4834	43.0145	<0.0001	<0.0001
ENSG00000142405	NLRP12	NLR family pyrin domain containing 12 [Source:HGNC Symbol;Acc:HGNC:22938]	protein coding	0.8721	4.5522	50.2478	<0.0001	<0.0001
ENSG00000212907	MT-ND4L	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 4L [Source:HGNC Symbol;Acc:HGNC:7460]	protein coding	-0.8711	10.0254	13.0214	0.0003	0.0023
ENSG00000255569	TRAV1-1	T cell receptor alpha variable 1-1 [Source:HGNC Symbol;Acc:HGNC:12101]	TR V gene	-0.8707	2.5368	7.1804	0.0074	0.0281

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000158869	FCER1G	Fc fragment of IgE receptor Ig [Source:HGNC Symbol;Acc:HGNC:3611]	protein coding	0.8702	8.3609	24.5489	<0.0001	<0.0001
ENSG00000137040	RANBP6	RAN binding protein 6 [Source:HGNC Symbol;Acc:HGNC:9851]	protein coding	-0.8697	5.3224	52.9174	<0.0001	<0.0001
ENSG00000111331	OAS3	2'-5'-oligoadenylate synthetase 3 [Source:HGNC Symbol;Acc:HGNC:8088]	protein coding	0.8695	7.2724	5.9097	0.0151	0.0495
ENSG00000197956	S100A6	S100 calcium binding protein A6 [Source:HGNC Symbol;Acc:HGNC:10496]	protein coding	0.8692	8.3891	32.4977	<0.0001	<0.0001
ENSG00000100504	PYGL	glycogen phosphorylase L [Source:HGNC Symbol;Acc:HGNC:9725]	protein coding	0.8689	4.7198	33.4548	<0.0001	<0.0001
ENSG00000115825	PRKD3	protein kinase D3 [Source:HGNC Symbol;Acc:HGNC:9408]	protein coding	-0.8688	4.6763	39.4377	<0.0001	<0.0001
ENSG00000087589	CASS4	Cas scaffold protein family member 4 [Source:HGNC Symbol;Acc:HGNC:15878]	protein coding	-0.8686	2.9813	30.4861	<0.0001	<0.0001
ENSG00000251369	ZNF550	zinc finger protein 550 [Source:HGNC Symbol;Acc:HGNC:28643]	protein coding	-0.8680	4.0430	37.9173	<0.0001	<0.0001
ENSG00000028137	TNFRSF1B	TNF receptor superfamily member 1B [Source:HGNC Symbol;Acc:HGNC:11917]	protein coding	0.8674	8.9449	31.9351	<0.0001	<0.0001
ENSG00000179941	BBS10	Bardet-Biedl syndrome 10 [Source:HGNC Symbol;Acc:HGNC:26291]	protein coding	-0.8672	3.1204	26.4591	<0.0001	<0.0001
ENSG00000185201	IFITM2	interferon induced transmembrane protein 2 [Source:HGNC Symbol;Acc:HGNC:5413]	protein coding	0.8667	8.7587	29.6046	<0.0001	<0.0001
ENSG00000259144	RANBP20P	RAN binding protein 20 pseudogene [Source:HGNC Symbol;Acc:HGNC:19734]	processed pseudogene	-0.8667	1.7439	10.3779	0.0013	0.007
ENSG00000101188	NTSR1	neurotensin receptor 1 [Source:HGNC Symbol;Acc:HGNC:8039]	protein coding	0.8662	2.5622	14.6512	0.0001	0.0012
ENSG00000249790		novel transcript	lncRNA	0.8661	1.9955	10.1578	0.0014	0.0077

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000186350	RXRA	retinoid X receptor alpha [Source:HGNC Symbol;Acc:HGNC:10477]	protein coding	0.8659	6.8705	32.9497	<0.0001	<0.0001
ENSG00000212916	MAP10	microtubule associated protein 10 [Source:HGNC Symbol;Acc:HGNC:29265]	protein coding	-0.8650	2.3225	24.3834	<0.0001	<0.0001
ENSG00000230409	TCEA1P2	transcription elongation factor A1 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:29891]	processed pseudo-gene	-0.8644	2.0682	13.7946	0.0002	0.0017
ENSG00000176105	YES1	YES proto-oncogene 1, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:12841]	protein coding	-0.8640	2.2305	25.3029	<0.0001	<0.0001
ENSG00000163823	CCR1	C-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:1602]	protein coding	0.8631	6.0373	13.7789	0.0002	0.0017
ENSG00000125538	IL1B	interleukin 1 beta [Source:HGNC Symbol;Acc:HGNC:5992]	protein coding	0.8627	3.4384	27.2741	<0.0001	<0.0001
ENSG00000108021	TASOR2	transcription activation suppressor family member 2 [Source:HGNC Symbol;Acc:HGNC:23484]	protein coding	-0.8626	4.9937	24.2174	<0.0001	<0.0001
ENSG00000119927	GPAM	glycerol-3-phosphate acyl-transferase, mitochondrial [Source:HGNC Symbol;Acc:HGNC:24865]	protein coding	-0.8624	2.9806	31.6567	<0.0001	<0.0001
ENSG00000163291	PAQR3	progesterone and adipoQ receptor family member 3 [Source:HGNC Symbol;Acc:HGNC:30130]	protein coding	-0.8620	2.1433	14.9799	0.0001	0.001
ENSG00000166523	CLEC4E	C-type lectin domain family 4 member E [Source:HGNC Symbol;Acc:HGNC:14555]	protein coding	0.8587	4.6544	16.3317	<0.0001	0.0006
ENSG00000188848	BEND4	BEN domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23815]	protein coding	-0.8585	1.6908	9.7951	0.0017	0.009
ENSG00000197044	ZNF441	zinc finger protein 441 [Source:HGNC Symbol;Acc:HGNC:20875]	protein coding	-0.8584	2.7652	10.8972	0.001	0.0056

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000127081	ZNF484	zinc finger protein 484 [Source:HGNC Symbol;Acc:HGNC:23385]	protein coding	-0.8580	2.8544	23.6766	<0.0001	<0.0001
ENSG00000181904	C5orf24	chromosome 5 open reading frame 24 [Source:HGNC Symbol;Acc:HGNC:26746]	protein coding	-0.8579	3.9621	28.7083	<0.0001	<0.0001
ENSG00000103490	PYCARD	PYD and CARD domain containing [Source:HGNC Symbol;Acc:HGNC:16608]	protein coding	0.8578	6.3137	44.0180	<0.0001	<0.0001
ENSG00000109452	INPP4B	inositol polyphosphate-4-phosphatase type II B [Source:HGNC Symbol;Acc:HGNC:6075]	protein coding	-0.8576	4.7211	36.9922	<0.0001	<0.0001
ENSG00000103313	MEFV	MEFV innate immunity regulator, pyrin [Source:HGNC Symbol;Acc:HGNC:6998]	protein coding	0.8573	5.3352	22.2280	<0.0001	<0.0001
ENSG00000129422	MTUS1	microtubule associated scaffold protein 1 [Source:HGNC Symbol;Acc:HGNC:29789]	protein coding	-0.8565	2.7580	24.2681	<0.0001	<0.0001
ENSG00000211787	TRAV8-3	T cell receptor alpha variable 8-3 [Source:HGNC Symbol;Acc:HGNC:12148]	TR V gene	-0.8560	3.5231	15.3066	<0.0001	0.0009
ENSG00000215458	AATBC	apoptosis associated transcript in bladder cancer [Source:HGNC Symbol;Acc:HGNC:51526]	lncRNA	0.8549	4.2985	19.9543	<0.0001	0.0001
ENSG00000126458	RRAS	RAS related [Source:HGNC Symbol;Acc:HGNC:10447]	protein coding	0.8549	5.5429	37.1753	<0.0001	<0.0001
ENSG00000087086	FTL	ferritin light chain [Source:HGNC Symbol;Acc:HGNC:3999]	protein coding	0.8547	12.3082	25.6873	<0.0001	<0.0001
ENSG00000162747	FCGR3B	Fc fragment of IgG receptor IIIb [Source:HGNC Symbol;Acc:HGNC:3620]	protein coding	0.8544	3.0077	17.3484	<0.0001	0.0004
ENSG00000244153	WWP1P1	WW domain containing E3 ubiquitin protein ligase 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:48944]	processed pseudo-gene	-0.8543	2.1035	6.1154	0.0134	0.0452
ENSG00000138829	FBN2	fibrillin 2 [Source:HGNC Symbol;Acc:HGNC:3604]	protein coding	0.8538	1.9792	9.7784	0.0018	0.009

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000213809	KLRK1	killer cell lectin like receptor K1 [Source:HGNC Symbol;Acc:HGNC:18788]	protein coding	-0.8536	2.8054	9.9215	0.0016	0.0085
ENSG00000182141	ZNF708	zinc finger protein 708 [Source:HGNC Symbol;Acc:HGNC:12945]	protein coding	-0.8525	3.8613	23.0088	<0.0001	<0.0001
ENSG00000211941	IGHV3-11	immunoglobulin heavy variable 3-11 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:5580]	IG V gene	-0.8524	3.2651	19.0169	<0.0001	0.0002
ENSG00000165929	TC2N	tandem C2 domains, nuclear [Source:HGNC Symbol;Acc:HGNC:19859]	protein coding	-0.8503	6.3262	43.0628	<0.0001	<0.0001
ENSG00000204482	LST1	leukocyte specific transcript 1 [Source:HGNC Symbol;Acc:HGNC:14189]	protein coding	0.8491	8.0298	35.1532	<0.0001	<0.0001
ENSG00000145936	KCNMB1	potassium calcium-activated channel subfamily M regulatory beta subunit 1 [Source:HGNC Symbol;Acc:HGNC:6285]	protein coding	0.8483	2.7871	14.5722	0.0001	0.0012
ENSG00000185760	KCNQ5	potassium voltage-gated channel subfamily Q member 5 [Source:HGNC Symbol;Acc:HGNC:6299]	protein coding	-0.8477	2.4905	22.7694	<0.0001	<0.0001
ENSG00000281344	HELLPAR	HELLP associated long non-coding RNA [Source:HGNC Symbol;Acc:HGNC:43984]	lncRNA	0.8463	1.6787	20.4345	<0.0001	0.0001
ENSG00000146021	KLHL3	kelch like family member 3 [Source:HGNC Symbol;Acc:HGNC:6354]	protein coding	-0.8460	3.8997	17.8300	<0.0001	0.0003
ENSG00000107954	NEURL1	neuralized E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:7761]	protein coding	0.8459	3.0592	30.4781	<0.0001	<0.0001
ENSG00000169136	ATF5	activating transcription factor 5 [Source:HGNC Symbol;Acc:HGNC:790]	protein coding	0.8456	4.6237	14.1142	0.0002	0.0015
ENSG00000197619	ZNF615	zinc finger protein 615 [Source:HGNC Symbol;Acc:HGNC:24740]	protein coding	-0.8454	3.0923	23.6557	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000197405	C5AR1	complement C5a receptor 1 [Source:HGNC Symbol;Acc:HGNC:1338]	protein coding	0.8447	5.9558	18.6566	<0.0001	0.0002
ENSG00000196247	ZNF107	zinc finger protein 107 [Source:HGNC Symbol;Acc:HGNC:12887]	protein coding	-0.8437	4.1258	33.6310	<0.0001	<0.0001
ENSG00000135378	PRRG4	proline rich and Gla domain 4 [Source:HGNC Symbol;Acc:HGNC:30799]	protein coding	0.8437	3.0838	12.6377	0.0004	0.0027
ENSG00000179195	ZNF664	zinc finger protein 664 [Source:HGNC Symbol;Acc:HGNC:25406]	protein coding	-0.8429	5.2075	45.7238	<0.0001	<0.0001
ENSG00000211676	IGLJ2	immunoglobulin lambda joining 2 [Source:HGNC Symbol;Acc:HGNC:5864]	IG J gene	-0.8426	1.3760	10.9328	0.0009	0.0056
ENSG00000099337	KCNK6	potassium two pore domain channel subfamily K member 6 [Source:HGNC Symbol;Acc:HGNC:6281]	protein coding	0.8425	6.2191	39.7410	<0.0001	<0.0001
ENSG00000166881	NEMP1	nuclear envelope integral membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:29001]	protein coding	-0.8413	4.3451	32.6128	<0.0001	<0.0001
ENSG00000276405	TRBV13	T cell receptor beta variable 13 [Source:HGNC Symbol;Acc:HGNC:12188]	TR V gene	-0.8413	1.9215	15.9177	<0.0001	0.0007
ENSG00000170962	PDGFD	platelet derived growth factor D [Source:HGNC Symbol;Acc:HGNC:30620]	protein coding	-0.8409	2.0320	9.5608	0.002	0.0099
ENSG00000109113	RAB34	RAB34, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:16519]	protein coding	0.8408	3.4718	34.5479	<0.0001	<0.0001
ENSG00000100365	NCF4	neutrophil cytosolic factor 4 [Source:HGNC Symbol;Acc:HGNC:7662]	protein coding	0.8405	6.0580	39.3820	<0.0001	<0.0001
ENSG00000166086	JAM3	junctional adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:15532]	protein coding	-0.8399	1.9490	10.0606	0.0015	0.008

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211747	TRBV20-1	T cell receptor beta variable 20-1 [Source:HGNC Symbol;Acc:HGNC:12196]	TR V gene	-0.8395	4.3256	13.9696	0.0002	0.0016
ENSG00000099985	OSM	oncostatin M [Source:HGNC Symbol;Acc:HGNC:8506]	protein coding	0.8388	1.8146	8.9877	0.0027	0.0129
ENSG00000172915	NBEA	neurobeachin [Source:HGNC Symbol;Acc:HGNC:7648]	protein coding	-0.8386	1.4891	11.8917	0.0006	0.0037
ENSG00000171033	PKIA	cAMP-dependent protein kinase inhibitor alpha [Source:HGNC Symbol;Acc:HGNC:9017]	protein coding	-0.8385	4.6763	35.8276	<0.0001	<0.0001
ENSG00000112144	CILK1	ciliogenesis associated kinase 1 [Source:HGNC Symbol;Acc:HGNC:21219]	protein coding	-0.8381	4.1018	33.5000	<0.0001	<0.0001
ENSG00000090013	BLVRB	biliverdin reductase B [Source:HGNC Symbol;Acc:HGNC:1063]	protein coding	0.8365	5.6588	43.7200	<0.0001	<0.0001
ENSG00000165322	ARHGAP12	Rho GTPase activating protein 12 [Source:HGNC Symbol;Acc:HGNC:16348]	protein coding	-0.8363	3.5206	29.8995	<0.0001	<0.0001
ENSG00000115232	ITGA4	integrin subunit alpha 4 [Source:HGNC Symbol;Acc:HGNC:6140]	protein coding	-0.8362	7.0933	33.1584	<0.0001	<0.0001
ENSG00000008394	MGST1	microsomal glutathione S-transferase 1 [Source:HGNC Symbol;Acc:HGNC:7061]	protein coding	0.8356	2.5405	18.8932	<0.0001	0.0002
ENSG00000124570	SERPINB6	serpin family B member 6 [Source:HGNC Symbol;Acc:HGNC:8950]	protein coding	0.8352	5.7567	50.5474	<0.0001	<0.0001
ENSG00000177853	ZNF518A	zinc finger protein 518A [Source:HGNC Symbol;Acc:HGNC:29009]	protein coding	-0.8347	4.4393	35.9363	<0.0001	<0.0001
ENSG00000154727	GABPA	GA binding protein transcription factor subunit alpha [Source:HGNC Symbol;Acc:HGNC:4071]	protein coding	-0.8345	4.2867	25.2291	<0.0001	<0.0001
ENSG00000114853	ZBTB47	zinc finger and BTB domain containing 47 [Source:HGNC Symbol;Acc:HGNC:26955]	protein coding	0.8340	1.7671	14.9072	0.0001	0.001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000235532	LINC00402	long intergenic non-protein coding RNA 402 [Source:HGNC Symbol;Acc:HGNC:42732]	lncRNA	-0.8338	1.8126	11.5676	0.0007	0.0043
ENSG00000149212	SESN3	sestrin 3 [Source:HGNC Symbol;Acc:HGNC:23060]	protein coding	-0.8335	5.3360	37.9764	<0.0001	<0.0001
ENSG00000286646		novel transcript, antisense to MAP3K5	lncRNA	0.8334	3.9883	24.2505	<0.0001	<0.0001
ENSG00000183734	ASCL2	achaete-scute family bHLH transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:739]	protein coding	0.8332	3.0790	16.7304	<0.0001	0.0005
ENSG00000287920		novel transcript, antisense to NEDD9	lncRNA	0.8329	1.7215	13.6615	0.0002	0.0018
ENSG00000124198	ARFGEF2	ADP ribosylation factor guanine nucleotide exchange factor 2 [Source:HGNC Symbol;Acc:HGNC:15853]	protein coding	-0.8329	4.7746	40.8410	<0.0001	<0.0001
ENSG00000132623	ANKEF1	ankyrin repeat and EF-hand domain containing 1 [Source:HGNC Symbol;Acc:HGNC:15803]	protein coding	-0.8325	2.2650	7.6463	0.0057	0.0231
ENSG00000136026	CKAP4	cytoskeleton associated protein 4 [Source:HGNC Symbol;Acc:HGNC:16991]	protein coding	0.8325	5.7902	38.2070	<0.0001	<0.0001
ENSG00000224373	IGHV4-59	immunoglobulin heavy variable 4-59 [Source:HGNC Symbol;Acc:HGNC:5654]	IG V gene	-0.8321	4.0063	17.8936	<0.0001	0.0003
ENSG00000105520	PLPPR2	phospholipid phosphatase related 2 [Source:HGNC Symbol;Acc:HGNC:29566]	protein coding	0.8319	4.5862	41.0271	<0.0001	<0.0001
ENSG00000165244	ZNF367	zinc finger protein 367 [Source:HGNC Symbol;Acc:HGNC:18320]	protein coding	-0.8318	2.2058	14.6571	0.0001	0.0012
ENSG00000187796	CARD9	caspase recruitment domain family member 9 [Source:HGNC Symbol;Acc:HGNC:16391]	protein coding	0.8318	3.8624	40.8392	<0.0001	<0.0001
ENSG00000188636	RTL6	retrotransposon Gag like 6 [Source:HGNC Symbol;Acc:HGNC:13343]	protein coding	-0.8316	3.9102	22.4178	<0.0001	<0.0001
ENSG00000118007	STAG1	stromal antigen 1 [Source:HGNC Symbol;Acc:HGNC:11354]	protein coding	-0.8312	4.0262	32.4052	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000001561	ENPP4	ectonucleotide pyrophosphatase/phosphodiesterase 4 [Source:HGNC Symbol;Acc:HGNC:3359]	protein coding	-0.8302	3.6230	28.6869	<0.0001	<0.0001
ENSG00000135999	EPC2	enhancer of polycomb homolog 2 [Source:HGNC Symbol;Acc:HGNC:24543]	protein coding	-0.8295	4.8653	34.0333	<0.0001	<0.0001
ENSG00000155850	SLC26A2	solute carrier family 26 member 2 [Source:HGNC Symbol;Acc:HGNC:10994]	protein coding	-0.8293	3.5567	41.9903	<0.0001	<0.0001
ENSG00000105856	HBP1	HMG-box transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:23200]	protein coding	-0.8287	4.9801	42.5405	<0.0001	<0.0001
ENSG00000211946	IGHV3-20	immunoglobulin heavy variable 3-20 [Source:HGNC Symbol;Acc:HGNC:5585]	IG V gene	-0.8280	1.9818	13.1294	0.0003	0.0022
ENSG00000036549		zinc finger ZZ-type containing 3 [Source:NCBI gene;Acc:26009]	protein coding	-0.8279	5.0605	19.7911	<0.0001	0.0001
ENSG00000144749	LRIG1	leucine rich repeats and immunoglobulin like domains 1 [Source:HGNC Symbol;Acc:HGNC:17360]	protein coding	-0.8269	3.9446	25.7497	<0.0001	<0.0001
ENSG00000276953	TRBV12-4	T cell receptor beta variable 12-4 [Source:HGNC Symbol;Acc:HGNC:12186]	TR V gene	-0.8266	2.9709	18.6269	<0.0001	0.0002
ENSG00000018408	WWTR1	WW domain containing transcription regulator 1 [Source:HGNC Symbol;Acc:HGNC:24042]	protein coding	0.8261	1.3455	11.1785	0.0008	0.005
ENSG00000182351	CRIP1P4	cysteine rich protein 1 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:44519]	processed pseudo-gene	0.8260	4.7263	23.4565	<0.0001	<0.0001
ENSG00000138468	SENP7	SUMO specific peptidase 7 [Source:HGNC Symbol;Acc:HGNC:30402]	protein coding	-0.8256	4.6840	42.4933	<0.0001	<0.0001
ENSG00000102760	RGCC	regulator of cell cycle [Source:HGNC Symbol;Acc:HGNC:20369]	protein coding	-0.8249	5.6297	29.5143	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000263069	RNF213-AS1	RNF213 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:54402]	lncRNA	0.8240	2.5452	9.3813	0.0022	0.0108
ENSG00000125107	CNOT1	CCR4-NOT transcription complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:7877]	protein coding	-0.8239	6.6488	31.2472	<0.0001	<0.0001
ENSG00000149308	NPAT	nuclear protein, coactivator of histone transcription [Source:HGNC Symbol;Acc:HGNC:7896]	protein coding	-0.8235	5.4861	50.6741	<0.0001	<0.0001
ENSG00000183808	RBM12B	RNA binding motif protein 12B [Source:HGNC Symbol;Acc:HGNC:32310]	protein coding	-0.8230	3.6871	34.5470	<0.0001	<0.0001
ENSG00000146587	RBAK	RB associated KRAB zinc finger [Source:HGNC Symbol;Acc:HGNC:17680]	protein coding	-0.8227	4.0918	30.3256	<0.0001	<0.0001
ENSG00000163755	HPS3	HPS3 biogenesis of lysosomal organelles complex 2 subunit 1 [Source:HGNC Symbol;Acc:HGNC:15597]	protein coding	-0.8226	4.5154	13.2075	0.0003	0.0021
ENSG00000240891	PLCXD2	phosphatidylinositol specific phospholipase C X domain containing 2 [Source:HGNC Symbol;Acc:HGNC:26462]	protein coding	-0.8226	3.8001	25.9840	<0.0001	<0.0001
ENSG00000133657	ATP13A3	ATPase 13A3 [Source:HGNC Symbol;Acc:HGNC:24113]	protein coding	-0.8222	4.8931	33.6786	<0.0001	<0.0001
ENSG00000137492	THAP12	THAP domain containing 12 [Source:HGNC Symbol;Acc:HGNC:9440]	protein coding	-0.8221	5.9131	11.6648	0.0006	0.0041
ENSG00000110719	TCIRG1	T cell immune regulator 1, ATPase H+ transporting V0 subunit a3 [Source:HGNC Symbol;Acc:HGNC:11647]	protein coding	0.8213	6.8862	17.9673	<0.0001	0.0003
ENSG00000198546	ZNF511	zinc finger protein 511 [Source:HGNC Symbol;Acc:HGNC:28445]	protein coding	0.8207	3.3066	33.1885	<0.0001	<0.0001
ENSG00000147408	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:24290]	protein coding	-0.8205	5.8064	45.5439	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000102763	VWA8	von Willebrand factor A domain containing 8 [Source:HGNC Symbol;Acc:HGNC:29071]	protein coding	-0.8199	4.0762	25.5629	<0.0001	<0.0001
ENSG00000161677	JOSD2	Josephin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28853]	protein coding	0.8199	3.6441	30.1093	<0.0001	<0.0001
ENSG00000168899	VAMP5	vesicle associated membrane protein 5 [Source:HGNC Symbol;Acc:HGNC:12646]	protein coding	0.8197	6.3556	25.1011	<0.0001	<0.0001
ENSG00000166225	FRS2	fibroblast growth factor receptor substrate 2 [Source:HGNC Symbol;Acc:HGNC:16971]	protein coding	-0.8196	3.6953	26.6850	<0.0001	<0.0001
ENSG00000171298	GAA	glucosidase alpha, acid [Source:HGNC Symbol;Acc:HGNC:4065]	protein coding	0.8194	6.5323	33.8874	<0.0001	<0.0001
ENSG00000156127	BATF	basic leucine zipper like transcription factor [Source:HGNC Symbol;Acc:HGNC:958]	protein coding	0.8188	5.3305	34.1220	<0.0001	<0.0001
ENSG00000115020	PIKFYVE	phosphoinositide kinase, FYVE-type zinc finger containing [Source:HGNC Symbol;Acc:HGNC:23785]	protein coding	-0.8187	5.4279	34.3166	<0.0001	<0.0001
ENSG00000248810	LINC02432	long intergenic non-protein coding RNA 2432 [Source:HGNC Symbol;Acc:HGNC:53363]	lncRNA	0.8183	3.3762	20.7082	<0.0001	<0.0001
ENSG00000143333	RGS16	regulator of G protein signaling 16 [Source:HGNC Symbol;Acc:HGNC:9997]	protein coding	0.8181	1.6051	15.1960	<0.0001	0.0009
ENSG00000171940	ZNF217	zinc finger protein 217 [Source:HGNC Symbol;Acc:HGNC:13009]	protein coding	-0.8173	6.9183	28.5592	<0.0001	<0.0001
ENSG00000163359	COL6A3	collagen type VI alpha 3 chain [Source:HGNC Symbol;Acc:HGNC:2213]	protein coding	-0.8168	2.7760	28.2682	<0.0001	<0.0001
ENSG00000173868	PHOSPHO1	phosphoethanolamine/phosphocholine phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:16815]	protein coding	0.8160	4.4421	20.9710	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000140382	HMG20A	high mobility group 20A [Source:HGNC Symbol;Acc:HGNC:5001]	protein coding	-0.8158	4.2771	26.6902	<0.0001	<0.0001
ENSG00000136111	TBC1D4	TBC1 domain family member 4 [Source:HGNC Symbol;Acc:HGNC:19165]	protein coding	-0.8156	6.2522	31.9076	<0.0001	<0.0001
ENSG00000262655	SPON1	spondin 1 [Source:HGNC Symbol;Acc:HGNC:11252]	protein coding	-0.8154	1.7490	16.8815	<0.0001	0.0005
ENSG00000175768	TOMM5	translocase of outer mitochondrial membrane 5 [Source:HGNC Symbol;Acc:HGNC:31369]	protein coding	-0.8151	2.3236	18.3280	<0.0001	0.0003
ENSG00000184588	PDE4B	phosphodiesterase 4B [Source:HGNC Symbol;Acc:HGNC:8781]	protein coding	-0.8150	5.3941	32.0480	<0.0001	<0.0001
ENSG00000075651	PLD1	phospholipase D1 [Source:HGNC Symbol;Acc:HGNC:9067]	protein coding	0.8141	1.4523	13.0441	0.0003	0.0023
ENSG00000164125	GASK1B	golgi associated kinase 1B [Source:HGNC Symbol;Acc:HGNC:25312]	protein coding	0.8140	3.5781	17.6143	<0.0001	0.0003
ENSG00000204623	ZNRD1ASP	zinc ribbon domain containing 1 antisense, pseudo-gene [Source:HGNC Symbol;Acc:HGNC:13924]	transcribed unitary pseudo-gene	-0.8129	1.5059	9.1443	0.0025	0.012
ENSG00000211966	IGHV5-51	immunoglobulin heavy variable 5-51 [Source:HGNC Symbol;Acc:HGNC:5659]	IG V gene	-0.8127	4.5138	21.7285	<0.0001	<0.0001
ENSG00000002549	LAP3	leucine aminopeptidase 3 [Source:HGNC Symbol;Acc:HGNC:18449]	protein coding	0.8126	6.3074	11.1205	0.0009	0.0051
ENSG00000139146	SINHCAF	SIN3-HDAC complex associated factor [Source:HGNC Symbol;Acc:HGNC:30702]	protein coding	-0.8122	4.9329	20.0160	<0.0001	0.0001
ENSG00000120738	EGR1	early growth response 1 [Source:HGNC Symbol;Acc:HGNC:3238]	protein coding	0.8121	2.4388	11.7571	0.0006	0.0039
ENSG00000104517	UBR5	ubiquitin protein ligase E3 component n-recognin 5 [Source:HGNC Symbol;Acc:HGNC:16806]	protein coding	-0.8119	5.7999	37.4124	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000010818	HIVEP2	HIVEP zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:4921]	protein coding	-0.8110	5.9315	35.9705	<0.0001	<0.0001
ENSG00000070182	SPTB	spectrin beta, erythrocytic [Source:HGNC Symbol;Acc:HGNC:11274]	protein coding	0.8108	3.3029	16.6527	<0.0001	0.0005
ENSG00000135838	NPL	N-acetylneuraminatase [Source:HGNC Symbol;Acc:HGNC:16781]	protein coding	0.8107	4.4157	28.6985	<0.0001	<0.0001
ENSG00000228974		S100 calcium binding protein A11 (S100A11) pseudogene	processed pseudo-gene	0.8102	2.1106	7.1599	0.0075	0.0284
ENSG00000157106	SMG1	SMG1 nonsense mediated mRNA decay associated PI3K related kinase [Source:HGNC Symbol;Acc:HGNC:30045]	protein coding	-0.8102	6.9455	23.2543	<0.0001	<0.0001
ENSG00000125257	ABCC4	ATP binding cassette subfamily C member 4 [Source:HGNC Symbol;Acc:HGNC:55]	protein coding	-0.8100	3.0697	15.5913	<0.0001	0.0008
ENSG00000175087	PDIK1L	PDLIM1 interacting kinase 1 like [Source:HGNC Symbol;Acc:HGNC:18981]	protein coding	-0.8097	3.4009	17.0744	<0.0001	0.0004
ENSG00000161642	ZNF385A	zinc finger protein 385A [Source:HGNC Symbol;Acc:HGNC:17521]	protein coding	0.8095	6.7125	32.9225	<0.0001	<0.0001
ENSG00000197766	CFD	complement factor D [Source:HGNC Symbol;Acc:HGNC:2771]	protein coding	0.8094	4.5578	26.2957	<0.0001	<0.0001
ENSG00000113916	BCL6	BCL6 transcription repressor [Source:HGNC Symbol;Acc:HGNC:1001]	protein coding	0.8094	5.6311	27.0748	<0.0001	<0.0001
ENSG00000196141	SPATS2L	spermatogenesis associated serine rich 2 like [Source:HGNC Symbol;Acc:HGNC:24574]	protein coding	0.8093	3.6900	6.2864	0.0122	0.042
ENSG00000096070	BRPF3	bromodomain and PHD finger containing 3 [Source:HGNC Symbol;Acc:HGNC:14256]	protein coding	-0.8091	4.6543	30.6236	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135363	LMO2	LIM domain only 2 [Source:HGNC Symbol;Acc:HGNC:6642]	protein coding	0.8089	6.3041	20.4601	<0.0001	0.0001
ENSG00000185869	ZNF829	zinc finger protein 829 [Source:HGNC Symbol;Acc:HGNC:34032]	protein coding	-0.8083	2.3336	13.9776	0.0002	0.0016
ENSG00000176055	MBLAC2	metallo-beta-lactamase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:33711]	protein coding	-0.8068	2.2483	21.9090	<0.0001	<0.0001
ENSG00000124171	PARD6B	par-6 family cell polarity regulator beta [Source:HGNC Symbol;Acc:HGNC:16245]	protein coding	-0.8063	1.2090	19.0016	<0.0001	0.0002
ENSG00000185338	SOCS1	suppressor of cytokine signaling 1 [Source:HGNC Symbol;Acc:HGNC:19383]	protein coding	0.8057	3.2507	11.5607	0.0007	0.0043
ENSG00000136925	TSTD2	thiosulfate sulfurtransferase like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	protein coding	-0.8054	2.5790	13.9111	0.0002	0.0016
ENSG00000211950	IGHV1-24	immunoglobulin heavy variable 1-24 [Source:HGNC Symbol;Acc:HGNC:5551]	IG V gene	-0.8049	2.5130	16.0748	<0.0001	0.0006
ENSG00000147533	GOLGA7	golgin A7 [Source:HGNC Symbol;Acc:HGNC:24876]	protein coding	-0.8049	3.7132	16.3683	<0.0001	0.0006
ENSG00000211967	IGHV3-53	immunoglobulin heavy variable 3-53 [Source:HGNC Symbol;Acc:HGNC:5610]	IG V gene	-0.8040	2.4145	12.2565	0.0005	0.0032
ENSG00000104497	SNX16	sorting nexin 16 [Source:HGNC Symbol;Acc:HGNC:14980]	protein coding	-0.8039	1.8934	11.2160	0.0008	0.005
ENSG00000211659	IGLV3-25	immunoglobulin lambda variable 3-25 [Source:HGNC Symbol;Acc:HGNC:5908]	IG V gene	-0.8038	4.4162	15.0887	0.0001	0.001
ENSG00000079335	CDC14A	cell division cycle 14A [Source:HGNC Symbol;Acc:HGNC:1718]	protein coding	-0.8032	4.8702	36.2663	<0.0001	<0.0001
ENSG00000197852	INKA2	ink box actin regulator 2 [Source:HGNC Symbol;Acc:HGNC:28045]	protein coding	0.8029	3.7996	26.0262	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000115896	PLCL1	phospholipase C like 1 (inactive) [Source:HGNC Symbol;Acc:HGNC:9063]	protein coding	-0.8028	3.1361	24.1916	<0.0001	<0.0001
ENSG00000143554	SLC27A3	solute carrier family 27 member 3 [Source:HGNC Symbol;Acc:HGNC:10997]	protein coding	0.8024	5.3294	27.7954	<0.0001	<0.0001
ENSG00000118292	C1orf54	chromosome 1 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:26258]	protein coding	0.8002	1.5562	19.4861	<0.0001	0.0002
ENSG00000110344	UBE4A	ubiquitination factor E4A [Source:HGNC Symbol;Acc:HGNC:12499]	protein coding	-0.7996	4.8516	26.1617	<0.0001	<0.0001
ENSG00000163104	SMARCD1	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1 [Source:HGNC Symbol;Acc:HGNC:18398]	protein coding	-0.7996	4.5499	8.7704	0.0031	0.0142
ENSG00000181631	P2RY13	purinergic receptor P2Y13 [Source:HGNC Symbol;Acc:HGNC:4537]	protein coding	0.7995	5.8897	12.2263	0.0005	0.0032
ENSG00000204839	MROH6	maestro heat like repeat family member 6 [Source:HGNC Symbol;Acc:HGNC:27814]	protein coding	0.7994	2.7016	11.5022	0.0007	0.0044
ENSG00000196387	ZNF140	zinc finger protein 140 [Source:HGNC Symbol;Acc:HGNC:12925]	protein coding	-0.7991	3.3784	8.5005	0.0036	0.016
ENSG00000113369	ARRDC3	arrestin domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29263]	protein coding	-0.7990	5.0420	18.3218	<0.0001	0.0003
ENSG00000082258	CCNT2	cyclin T2 [Source:HGNC Symbol;Acc:HGNC:1600]	protein coding	-0.7988	5.3040	33.1959	<0.0001	<0.0001
ENSG00000211777	TRAV3	T cell receptor alpha variable 3 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:12128]	TR V gene	-0.7987	2.6714	21.4408	<0.0001	<0.0001
ENSG00000132549	VPS13B	vacuolar protein sorting 13 homolog B [Source:HGNC Symbol;Acc:HGNC:2183]	protein coding	-0.7987	5.3184	31.5584	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000121879	PIK3CA	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha [Source:HGNC Symbol;Acc:HGNC:8975]	protein coding	-0.7986	4.6786	21.7895	<0.0001	<0.0001
ENSG00000144824	PHLDB2	pleckstrin homology like domain family B member 2 [Source:HGNC Symbol;Acc:HGNC:29573]	protein coding	-0.7986	1.7467	13.1131	0.0003	0.0022
ENSG00000155545	MIER3	MIER family member 3 [Source:HGNC Symbol;Acc:HGNC:26678]	protein coding	-0.7981	3.5028	28.2798	<0.0001	<0.0001
ENSG00000137501	SYTL2	synaptotagmin like 2 [Source:HGNC Symbol;Acc:HGNC:15585]	protein coding	-0.7977	4.3209	25.5670	<0.0001	<0.0001
ENSG00000203326	ZNF525	zinc finger protein 525 [Source:HGNC Symbol;Acc:HGNC:29423]	protein coding	-0.7976	3.3743	20.3745	<0.0001	0.0001
ENSG00000124357	NAGK	N-acetylglucosamine kinase [Source:HGNC Symbol;Acc:HGNC:17174]	protein coding	0.7974	7.1915	29.6364	<0.0001	<0.0001
ENSG00000164713	BRI3	brain protein I3 [Source:HGNC Symbol;Acc:HGNC:1109]	protein coding	0.7971	7.1044	29.8401	<0.0001	<0.0001
ENSG00000059758	CDK17	cyclin dependent kinase 17 [Source:HGNC Symbol;Acc:HGNC:8750]	protein coding	-0.7963	4.7531	31.7025	<0.0001	<0.0001
ENSG00000197385	ZNF860	zinc finger protein 860 [Source:HGNC Symbol;Acc:HGNC:34513]	protein coding	-0.7957	2.5084	17.4698	<0.0001	0.0004
ENSG00000231607	DLEU2	deleted in lymphocytic leukemia 2 [Source:HGNC Symbol;Acc:HGNC:13748]	lncRNA	0.7934	3.2157	17.1993	<0.0001	0.0004
ENSG00000254838	GVINP1	GTPase, very large interferon inducible pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:25813]	transcribed unprocessed pseudogene	-0.7930	6.9256	27.9957	<0.0001	<0.0001
ENSG00000119535	CSF3R	colony stimulating factor 3 receptor [Source:HGNC Symbol;Acc:HGNC:2439]	protein coding	0.7930	7.3782	24.8246	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000159713	TPPP3	tubulin polymerization promoting protein family member 3 [Source:HGNC Symbol;Acc:HGNC:24162]	protein coding	0.7930	4.6524	27.0247	<0.0001	<0.0001
ENSG00000140396	NCOA2	nuclear receptor coactivator 2 [Source:HGNC Symbol;Acc:HGNC:7669]	protein coding	-0.7927	5.0086	26.1567	<0.0001	<0.0001
ENSG00000142556	ZNF614	zinc finger protein 614 [Source:HGNC Symbol;Acc:HGNC:24722]	protein coding	-0.7925	3.5735	25.1793	<0.0001	<0.0001
ENSG00000162444	RBP7	retinol binding protein 7 [Source:HGNC Symbol;Acc:HGNC:30316]	protein coding	0.7924	4.3470	32.6672	<0.0001	<0.0001
ENSG00000229056	HECW2-AS1	HECW2 antisense 1 [Source:HGNC Symbol;Acc:HGNC:54062]	lncRNA	-0.7923	3.0545	25.5958	<0.0001	<0.0001
ENSG00000213889	PPM1N	protein phosphatase, Mg2+/Mn2+ dependent 1N (putative) [Source:HGNC Symbol;Acc:HGNC:26845]	protein coding	0.7922	2.7782	24.0996	<0.0001	<0.0001
ENSG00000081386	ZNF510	zinc finger protein 510 [Source:HGNC Symbol;Acc:HGNC:29161]	protein coding	-0.7900	3.8368	20.3213	<0.0001	0.0001
ENSG00000059377	TBXAS1	thromboxane A synthase 1 [Source:HGNC Symbol;Acc:HGNC:11609]	protein coding	0.7892	5.6601	33.7823	<0.0001	<0.0001
ENSG00000180228	PRKRA	protein activator of interferon induced protein kinase EIF2AK2 [Source:HGNC Symbol;Acc:HGNC:9438]	protein coding	-0.7887	2.7579	12.2312	0.0005	0.0032
ENSG00000197016	ZNF470	zinc finger protein 470 [Source:HGNC Symbol;Acc:HGNC:22220]	protein coding	-0.7881	2.4049	17.5639	<0.0001	0.0003
ENSG00000134955	SLC37A2	solute carrier family 37 member 2 [Source:HGNC Symbol;Acc:HGNC:20644]	protein coding	0.7875	4.5912	25.3298	<0.0001	<0.0001
ENSG00000154265	ABCA5	ATP binding cassette subfamily A member 5 [Source:HGNC Symbol;Acc:HGNC:35]	protein coding	-0.7869	2.8066	13.6640	0.0002	0.0018

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000241839	PLEKHO2	pleckstrin homology domain containing O2 [Source:HGNC Symbol;Acc:HGNC:30026]	protein coding	0.7867	6.9225	34.2707	<0.0001	<0.0001
ENSG00000173276	ZBTB21	zinc finger and BTB domain containing 21 [Source:HGNC Symbol;Acc:HGNC:13083]	protein coding	-0.7867	3.9385	31.9446	<0.0001	<0.0001
ENSG00000269821	KCNQ1OT1	KCNQ1 opposite strand/antisense transcript 1 [Source:HGNC Symbol;Acc:HGNC:6295]	lncRNA	0.7863	2.6022	12.1984	0.0005	0.0033
ENSG00000128791	TWSG1	twisted gastrulation BMP signaling modulator 1 [Source:HGNC Symbol;Acc:HGNC:12429]	protein coding	-0.7860	2.1134	14.4513	0.0001	0.0013
ENSG00000169508	GPR183	G protein-coupled receptor 183 [Source:HGNC Symbol;Acc:HGNC:3128]	protein coding	-0.7844	5.9262	30.3167	<0.0001	<0.0001
ENSG00000163694	RBM47	RNA binding motif protein 47 [Source:HGNC Symbol;Acc:HGNC:30358]	protein coding	0.7838	4.6555	16.1569	<0.0001	0.0006
ENSG00000095574	IKZF5	IKAROS family zinc finger 5 [Source:HGNC Symbol;Acc:HGNC:14283]	protein coding	-0.7836	4.1094	19.6257	<0.0001	0.0001
ENSG00000124256	ZBP1	Z-DNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:16176]	protein coding	0.7835	5.6340	10.5484	0.0012	0.0066
ENSG00000126804	ZBTB1	zinc finger and BTB domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20259]	protein coding	-0.7833	6.0776	32.3480	<0.0001	<0.0001
ENSG00000211809	TRAV27	T cell receptor alpha variable 27 [Source:HGNC Symbol;Acc:HGNC:12125]	TR V gene	-0.7828	1.9582	16.5864	<0.0001	0.0005
ENSG00000183814	LIN9	lin-9 DREAM MuvB core complex component [Source:HGNC Symbol;Acc:HGNC:30830]	protein coding	-0.7825	2.0119	11.4430	0.0007	0.0045
ENSG00000007968	E2F2	E2F transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:3114]	protein coding	0.7820	4.5218	23.3503	<0.0001	<0.0001
ENSG00000183340	JRKL	JRK like [Source:HGNC Symbol;Acc:HGNC:6200]	protein coding	-0.7817	3.7212	29.6812	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211753	TRBV28	T cell receptor beta variable 28 [Source:HGNC Symbol;Acc:HGNC:12209]	TR V gene	-0.7817	4.1029	21.6591	<0.0001	<0.0001
ENSG00000198786	MT-ND5	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 5 [Source:HGNC Symbol;Acc:HGNC:7461]	protein coding	-0.7816	11.7524	11.2196	0.0008	0.005
ENSG00000004939	SLC4A1	solute carrier family 4 member 1 (Diego blood group) [Source:HGNC Symbol;Acc:HGNC:11027]	protein coding	0.7815	7.2043	13.9267	0.0002	0.0016
ENSG00000163349	HIPK1	homeodomain interacting protein kinase 1 [Source:HGNC Symbol;Acc:HGNC:19006]	protein coding	-0.7809	6.2357	37.8251	<0.0001	<0.0001
ENSG00000178562	CD28	CD28 molecule [Source:HGNC Symbol;Acc:HGNC:1653]	protein coding	-0.7808	6.5978	28.7907	<0.0001	<0.0001
ENSG00000178163	ZNF518B	zinc finger protein 518B [Source:HGNC Symbol;Acc:HGNC:29365]	protein coding	-0.7804	5.1292	34.5723	<0.0001	<0.0001
ENSG00000196576	PLXNB2	plexin B2 [Source:HGNC Symbol;Acc:HGNC:9104]	protein coding	0.7801	7.0922	26.9977	<0.0001	<0.0001
ENSG00000213169		ribosomal protein L8 (RPL8) pseudogene	processed pseudo-gene	0.7777	6.1245	20.0008	<0.0001	0.0001
ENSG00000139318	DUSP6	dual specificity phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:3072]	protein coding	0.7775	6.8495	17.9612	<0.0001	0.0003
ENSG00000090674	MCOLN1	mucolipin 1 [Source:HGNC Symbol;Acc:HGNC:13356]	protein coding	0.7775	4.3041	23.7601	<0.0001	<0.0001
ENSG00000163513	TGFBR2	transforming growth factor beta receptor 2 [Source:HGNC Symbol;Acc:HGNC:11773]	protein coding	-0.7766	7.9072	29.2142	<0.0001	<0.0001
ENSG00000237161		p21 protein (Cdc42/Rac)-activated kinase 2 (PAK2) pseudogene	processed pseudo-gene	-0.7763	1.5422	10.0644	0.0015	0.008
ENSG00000211776	TRAV2	T cell receptor alpha variable 2 [Source:HGNC Symbol;Acc:HGNC:12116]	TR V gene	-0.7755	2.3089	8.3649	0.0038	0.017

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000254470	AP5B1	adaptor related protein complex 5 subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:25104]	protein coding	0.7752	5.6513	35.7672	<0.0001	<0.0001
ENSG00000196950	SLC39A10	solute carrier family 39 member 10 [Source:HGNC Symbol;Acc:HGNC:20861]	protein coding	-0.7746	4.2736	29.0272	<0.0001	<0.0001
ENSG00000168675	LDLRAD4	low density lipoprotein receptor class A domain containing 4 [Source:HGNC Symbol;Acc:HGNC:1224]	protein coding	-0.7738	4.9474	45.9305	<0.0001	<0.0001
ENSG00000108861	DUSP3	dual specificity phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:3069]	protein coding	0.7735	5.2613	27.0362	<0.0001	<0.0001
ENSG00000106460	TMEM106B	transmembrane 106B [Source:HGNC Symbol;Acc:HGNC:22407]	protein coding	-0.7731	4.8459	24.6524	<0.0001	<0.0001
ENSG00000132669	RIN2	Ras and Rab interactor 2 [Source:HGNC Symbol;Acc:HGNC:18750]	protein coding	0.7730	3.9495	16.9671	<0.0001	0.0004
ENSG00000280135		TEC	TEC	-0.7729	3.1906	23.5565	<0.0001	<0.0001
ENSG00000273837		novel transcript, sense intronic to AC018755.18	lncRNA	0.7726	2.6854	13.7842	0.0002	0.0017
ENSG00000164180	TMEM161B	transmembrane 161B [Source:HGNC Symbol;Acc:HGNC:28483]	protein coding	-0.7724	3.3273	16.1662	<0.0001	0.0006
ENSG00000174796	THAP6	THAP domain containing 6 [Source:HGNC Symbol;Acc:HGNC:23189]	protein coding	-0.7723	3.3967	12.9828	0.0003	0.0024
ENSG00000124406	ATP8A1	ATPase phospholipid transporting 8A1 [Source:HGNC Symbol;Acc:HGNC:13531]	protein coding	-0.7712	5.3815	31.9875	<0.0001	<0.0001
ENSG00000140749	IGSF6	immunoglobulin superfamily member 6 [Source:HGNC Symbol;Acc:HGNC:5953]	protein coding	0.7711	6.4789	13.7295	0.0002	0.0017
ENSG00000134352	IL6ST	interleukin 6 signal transducer [Source:HGNC Symbol;Acc:HGNC:6021]	protein coding	-0.7708	6.7306	24.5742	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000174718	RESF1	retroelement silencing factor 1 [Source:HGNC Symbol;Acc:HGNC:25559]	protein coding	-0.7700	7.4800	23.5890	<0.0001	<0.0001
ENSG00000047346	FAM214A	family with sequence similarity 214 member A [Source:HGNC Symbol;Acc:HGNC:25609]	protein coding	-0.7699	5.1178	38.6652	<0.0001	<0.0001
ENSG00000182511	FES	FES proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3657]	protein coding	0.7692	6.1320	31.9489	<0.0001	<0.0001
ENSG00000134243	SORT1	sortilin 1 [Source:HGNC Symbol;Acc:HGNC:11186]	protein coding	0.7692	5.5740	16.5910	<0.0001	0.0005
ENSG00000100284	TOM1	target of myb1 membrane trafficking protein [Source:HGNC Symbol;Acc:HGNC:11982]	protein coding	0.7690	5.8579	40.9801	<0.0001	<0.0001
ENSG00000159917	ZNF235	zinc finger protein 235 [Source:HGNC Symbol;Acc:HGNC:12866]	protein coding	-0.7688	2.8245	21.1957	<0.0001	<0.0001
ENSG00000151414	NEK7	NIMA related kinase 7 [Source:HGNC Symbol;Acc:HGNC:13386]	protein coding	-0.7686	4.8656	30.5235	<0.0001	<0.0001
ENSG00000204397	CARD16	caspase recruitment domain family member 16 [Source:HGNC Symbol;Acc:HGNC:33701]	protein coding	0.7686	6.4663	30.5040	<0.0001	<0.0001
ENSG00000132436	FIGNL1	figletin like 1 [Source:HGNC Symbol;Acc:HGNC:13286]	protein coding	-0.7683	3.0441	15.1205	0.0001	0.001
ENSG00000085514	PILRA	paired immunoglobulin like type 2 receptor alpha [Source:HGNC Symbol;Acc:HGNC:20396]	protein coding	0.7681	5.8588	20.3656	<0.0001	0.0001
ENSG00000285399		novel transcript	lncRNA	0.7680	1.8330	17.2255	<0.0001	0.0004
ENSG00000256594		C-type lectin domain family 2 (CLEC2) pseudogene	transcribed unprocessed pseudogene	-0.7680	3.2727	14.0995	0.0002	0.0015
ENSG00000227671		zinc finger protein pseudogene	transcribed unprocessed pseudogene	-0.7680	4.8156	20.0085	<0.0001	0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000069399	BCL3	BCL3 transcription coactivator [Source:HGNC Symbol;Acc:HGNC:998]	protein coding	0.7679	5.6247	31.7997	<0.0001	<0.0001
ENSG00000034677	RNF19A	ring finger protein 19A, RBR E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:13432]	protein coding	-0.7678	5.1391	20.5985	<0.0001	<0.0001
ENSG00000196597	ZNF782	zinc finger protein 782 [Source:HGNC Symbol;Acc:HGNC:33110]	protein coding	-0.7669	2.0402	9.2407	0.0024	0.0115
ENSG00000109787	KLF3	Kruppel like factor 3 [Source:HGNC Symbol;Acc:HGNC:16516]	protein coding	-0.7666	6.7487	36.0153	<0.0001	<0.0001
ENSG00000160999	SH2B2	SH2B adaptor protein 2 [Source:HGNC Symbol;Acc:HGNC:17381]	protein coding	0.7666	4.4728	28.4093	<0.0001	<0.0001
ENSG000000211955	IGHV3-33	immunoglobulin heavy variable 3-33 [Source:HGNC Symbol;Acc:HGNC:5596]	IG V gene	-0.7657	3.9067	10.5277	0.0012	0.0066
ENSG00000163625	WDFY3	WD repeat and FYVE domain containing 3 [Source:HGNC Symbol;Acc:HGNC:20751]	protein coding	0.7651	3.0421	14.1118	0.0002	0.0015
ENSG000000281649	EBLN3P	endogenous Bornavirus like nucleoprotein 3, pseudogene [Source:HGNC Symbol;Acc:HGNC:50682]	lncRNA	-0.7648	6.5837	34.5859	<0.0001	<0.0001
ENSG000000211973	IGHV1-69	immunoglobulin heavy variable 1-69 [Source:HGNC Symbol;Acc:HGNC:5558]	IG V gene	-0.7645	1.5405	10.7202	0.0011	0.0061
ENSG00000117020	AKT3	AKT serine/threonine kinase 3 [Source:HGNC Symbol;Acc:HGNC:393]	protein coding	-0.7644	4.1280	35.6125	<0.0001	<0.0001
ENSG000000257704	INAFM1	InaF motif containing 1 [Source:HGNC Symbol;Acc:HGNC:27406]	protein coding	0.7642	2.6641	22.3438	<0.0001	<0.0001
ENSG00000139324	TMTC3	transmembrane O-mannosyltransferase targeting cadherins 3 [Source:HGNC Symbol;Acc:HGNC:26899]	protein coding	-0.7640	2.0786	12.8789	0.0003	0.0025

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135960	EDAR	ectodysplasin A receptor [Source:HGNC Symbol;Acc:HGNC:2895]	protein coding	-0.7639	3.2360	13.7752	0.0002	0.0017
ENSG00000267128	RNF157-AS1	RNF157 antisense 1 [Source:HGNC Symbol;Acc:HGNC:44127]	lncRNA	-0.7637	1.6668	9.9384	0.0016	0.0085
ENSG00000173889	PHC3	polyhomeotic 3 [Source:HGNC Symbol;Acc:HGNC:15682]	protein coding	-0.7637	5.9747	37.7428	<0.0001	<0.0001
ENSG00000176225	RTTN	rotatin [Source:HGNC Symbol;Acc:HGNC:18654]	protein coding	-0.7637	3.4117	23.2172	<0.0001	<0.0001
ENSG00000056097	ZFR	zinc finger RNA binding protein [Source:HGNC Symbol;Acc:HGNC:17277]	protein coding	-0.7630	5.2348	32.3030	<0.0001	<0.0001
ENSG00000111371	SLC38A1	solute carrier family 38 member 1 [Source:HGNC Symbol;Acc:HGNC:13447]	protein coding	-0.7629	7.3994	30.8999	<0.0001	<0.0001
ENSG00000143878	RHOB	ras homolog family member B [Source:HGNC Symbol;Acc:HGNC:668]	protein coding	0.7625	6.1958	20.1987	<0.0001	0.0001
ENSG00000090061	CCNK	cyclin K [Source:HGNC Symbol;Acc:HGNC:1596]	protein coding	-0.7622	3.0450	17.5587	<0.0001	0.0003
ENSG00000198862	LTN1	listerin E3 ubiquitin ligase 1 [Source:HGNC Symbol;Acc:HGNC:13082]	protein coding	-0.7620	3.9932	29.8685	<0.0001	<0.0001
ENSG00000158467	AHCYL2	adenosylhomocysteinase like 2 [Source:HGNC Symbol;Acc:HGNC:22204]	protein coding	-0.7615	3.4994	13.5458	0.0002	0.0019
ENSG00000117115	PADI2	peptidyl arginine deiminase 2 [Source:HGNC Symbol;Acc:HGNC:18341]	protein coding	0.7605	3.7006	21.0028	<0.0001	<0.0001
ENSG00000058063	ATP11B	ATPase phospholipid transporting 11B (putative) [Source:HGNC Symbol;Acc:HGNC:13553]	protein coding	-0.7604	6.0358	25.4712	<0.0001	<0.0001
ENSG00000275004	ZNF280B	zinc finger protein 280B [Source:HGNC Symbol;Acc:HGNC:23022]	protein coding	-0.7601	1.4518	7.7568	0.0054	0.0219
ENSG00000182010	RTKN2	rhotekin 2 [Source:HGNC Symbol;Acc:HGNC:19364]	protein coding	-0.7601	3.6683	21.5659	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000235613	NSRP1P1	nuclear speckle splicing regulatory protein 1 pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:38087]	processed pseudo-gene	0.7594	2.6489	16.8521	<0.0001	0.0005
ENSG00000175294	CATSPER1	cation channel sperm associated 1 [Source:HGNC Symbol;Acc:HGNC:17116]	protein coding	0.7592	2.1616	13.4011	0.0003	0.002
ENSG00000217325	PRELID1P1	PRELI domain containing 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:43886]	transcribed processed pseudo-gene	0.7586	1.2935	15.5879	<0.0001	0.0008
ENSG00000137760	ALKBH8	alkB homolog 8, tRNA methyltransferase [Source:HGNC Symbol;Acc:HGNC:25189]	protein coding	-0.7586	3.3121	16.7308	<0.0001	0.0005
ENSG00000145428	RNF175	ring finger protein 175 [Source:HGNC Symbol;Acc:HGNC:27735]	protein coding	0.7585	1.6376	13.7725	0.0002	0.0017
ENSG00000197372	ZNF675	zinc finger protein 675 [Source:HGNC Symbol;Acc:HGNC:30768]	protein coding	-0.7584	3.2356	24.8992	<0.0001	<0.0001
ENSG00000256771	ZNF253	zinc finger protein 253 [Source:HGNC Symbol;Acc:HGNC:13497]	protein coding	-0.7584	3.3364	17.6151	<0.0001	0.0003
ENSG00000158615	PPP1R15B	protein phosphatase 1 regulatory subunit 15B [Source:HGNC Symbol;Acc:HGNC:14951]	protein coding	-0.7578	6.3648	27.9798	<0.0001	<0.0001
ENSG00000138764	CCNG2	cyclin G2 [Source:HGNC Symbol;Acc:HGNC:1593]	protein coding	-0.7573	5.7423	18.2551	<0.0001	0.0003
ENSG00000262246	CORO7	coronin 7 [Source:HGNC Symbol;Acc:HGNC:26161]	protein coding	0.7569	4.9488	31.5916	<0.0001	<0.0001
ENSG00000145675	PIK3R1	phosphoinositide-3-kinase regulatory subunit 1 [Source:HGNC Symbol;Acc:HGNC:8979]	protein coding	-0.7565	6.1189	27.8177	<0.0001	<0.0001
ENSG00000256229	ZNF486	zinc finger protein 486 [Source:HGNC Symbol;Acc:HGNC:20807]	protein coding	-0.7564	2.5564	19.3898	<0.0001	0.0002
ENSG00000101439	CST3	cystatin C [Source:HGNC Symbol;Acc:HGNC:2475]	protein coding	0.7562	8.2846	26.2130	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000115365	LANCL1	LanC like 1 [Source:HGNC Symbol;Acc:HGNC:6508]	protein coding	-0.7561	4.1791	32.7365	<0.0001	<0.0001
ENSG00000269001		zinc finger protein 818, pseudo-gene	transcribed unprocessed pseudo-gene	-0.7554	3.0365	13.9631	0.0002	0.0016
ENSG00000197603	CPLANE1	ciliogenesis and planar polarity effector 1 [Source:HGNC Symbol;Acc:HGNC:25801]	protein coding	-0.7554	3.1438	12.7358	0.0004	0.0026
ENSG00000162688	AGL	amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase [Source:HGNC Symbol;Acc:HGNC:321]	protein coding	-0.7552	3.5779	22.3299	<0.0001	<0.0001
ENSG00000141837	CACNA1A	calcium voltage-gated channel subunit alpha1 A [Source:HGNC Symbol;Acc:HGNC:1388]	protein coding	0.7549	3.2350	16.4388	<0.0001	0.0005
ENSG00000207389	RNU1-4	RNA, U1 small nuclear 4 [Source:HGNC Symbol;Acc:HGNC:10128]	snRNA	0.7545	3.3629	6.1974	0.0128	0.0437
ENSG00000240041	IGHJ4	immunoglobulin heavy joining 4 [Source:HGNC Symbol;Acc:HGNC:5538]	IG J gene	-0.7541	4.7924	28.5660	<0.0001	<0.0001
ENSG00000247626	MARS2	methionyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:25133]	protein coding	-0.7541	3.9190	22.2823	<0.0001	<0.0001
ENSG00000121297	TSHZ3	teashirt zinc finger homeobox 3 [Source:HGNC Symbol;Acc:HGNC:30700]	protein coding	0.7539	2.1803	19.0251	<0.0001	0.0002
ENSG00000177311	ZBTB38	zinc finger and BTB domain containing 38 [Source:HGNC Symbol;Acc:HGNC:26636]	protein coding	-0.7532	4.4998	36.4642	<0.0001	<0.0001
ENSG00000154589	LY96	lymphocyte antigen 96 [Source:HGNC Symbol;Acc:HGNC:17156]	protein coding	0.7524	3.8020	23.6893	<0.0001	<0.0001
ENSG00000234040	RPL10P12	ribosomal protein L10 pseudo-gene 12 [Source:HGNC Symbol;Acc:HGNC:52345]	processed pseudo-gene	-0.7521	3.4588	12.7100	0.0004	0.0026

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000117586	TNFSF4	TNF superfamily member 4 [Source:HGNC Symbol;Acc:HGNC:11934]	protein coding	-0.7514	2.0771	11.2141	0.0008	0.005
ENSG00000246898	LINC00920	long intergenic non-protein coding RNA 920 [Source:HGNC Symbol;Acc:HGNC:48611]	lncRNA	-0.7509	2.1236	16.9559	<0.0001	0.0004
ENSG00000116741	RGS2	regulator of G protein signaling 2 [Source:HGNC Symbol;Acc:HGNC:9998]	protein coding	0.7499	6.1082	17.2158	<0.0001	0.0004
ENSG00000100342	APOL1	apolipoprotein L1 [Source:HGNC Symbol;Acc:HGNC:618]	protein coding	0.7495	6.1657	15.3073	<0.0001	0.0009
ENSG00000162694	EXTL2	exostosin like glycosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:3516]	protein coding	-0.7493	2.0084	12.6702	0.0004	0.0027
ENSG00000180549	FUT7	fucosyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:4018]	protein coding	0.7488	3.2643	21.0796	<0.0001	<0.0001
ENSG00000055208	TAB2	TGF-beta activated kinase 1 (MAP3K7) binding protein 2 [Source:HGNC Symbol;Acc:HGNC:17075]	protein coding	-0.7483	6.6164	19.3580	<0.0001	0.0002
ENSG00000277443	MARCKS	myristoylated alanine rich protein kinase C substrate [Source:HGNC Symbol;Acc:HGNC:6759]	protein coding	0.7478	5.8338	16.0379	<0.0001	0.0006
ENSG00000136636	KCTD3	potassium channel tetramerization domain containing 3 [Source:HGNC Symbol;Acc:HGNC:21305]	protein coding	-0.7478	1.9324	12.8378	0.0003	0.0025
ENSG00000164307	ERAP1	endoplasmic reticulum aminopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:18173]	protein coding	-0.7477	6.3807	21.7252	<0.0001	<0.0001
ENSG00000240445	FOXO3B	forkhead box O3B [Source:HGNC Symbol;Acc:HGNC:3822]	protein coding	-0.7476	2.0361	13.2326	0.0003	0.0021
ENSG00000031003	FAM13B	family with sequence similarity 13 member B [Source:HGNC Symbol;Acc:HGNC:1335]	protein coding	-0.7475	5.0140	34.7444	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000117906	RCN2	reticulocalbin 2 [Source:HGNC Symbol;Acc:HGNC:9935]	protein coding	-0.7471	4.5632	16.6986	<0.0001	0.0005
ENSG00000150054	MPP7	membrane palmitoylated protein 7 [Source:HGNC Symbol;Acc:HGNC:26542]	protein coding	-0.7471	3.8948	20.8553	<0.0001	<0.0001
ENSG00000168461	RAB31	RAB31, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9771]	protein coding	0.7470	6.4409	26.0692	<0.0001	<0.0001
ENSG00000092871	RFFL	ring finger and FYVE like domain containing E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:24821]	protein coding	-0.7469	4.2853	34.7722	<0.0001	<0.0001
ENSG00000120129	DUSP1	dual specificity phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3064]	protein coding	0.7465	5.9501	10.4853	0.0012	0.0067
ENSG00000082014	SMARCD3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 [Source:HGNC Symbol;Acc:HGNC:11108]	protein coding	0.7462	4.5098	25.7771	<0.0001	<0.0001
ENSG00000212232	SNORD17	small nucleolar RNA, C/D box 17 [Source:HGNC Symbol;Acc:HGNC:32713]	snoRNA	0.7462	3.6817	6.5457	0.0105	0.0374
ENSG00000091409	ITGA6	integrin subunit alpha 6 [Source:HGNC Symbol;Acc:HGNC:6142]	protein coding	-0.7459	6.2979	34.7357	<0.0001	<0.0001
ENSG00000122482	ZNF644	zinc finger protein 644 [Source:HGNC Symbol;Acc:HGNC:29222]	protein coding	-0.7455	5.0292	32.1717	<0.0001	<0.0001
ENSG00000116663	FBXO6	F-box protein 6 [Source:HGNC Symbol;Acc:HGNC:13585]	protein coding	0.7454	5.2752	12.5704	0.0004	0.0028
ENSG00000152495	CAMK4	calcium/calmodulin dependent protein kinase IV [Source:HGNC Symbol;Acc:HGNC:1464]	protein coding	-0.7451	6.6386	37.6063	<0.0001	<0.0001
ENSG00000273749	CYFIP1	cytoplasmic FMR1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:13759]	protein coding	0.7451	4.3539	26.9041	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000164323	CFAP97	cilia and flagella associated protein 97 [Source:HGNC Symbol;Acc:HGNC:29276]	protein coding	-0.7449	4.4184	31.0635	<0.0001	<0.0001
ENSG00000105610	KLF1	Kruppel like factor 1 [Source:HGNC Symbol;Acc:HGNC:6345]	protein coding	0.7449	1.4680	6.2504	0.0124	0.0427
ENSG00000184730	APOBR	apolipoprotein B receptor [Source:HGNC Symbol;Acc:HGNC:24087]	protein coding	0.7448	6.4869	31.4827	<0.0001	<0.0001
ENSG00000196436	NPIP15	nuclear pore complex interacting protein family member B15 [Source:HGNC Symbol;Acc:HGNC:34409]	protein coding	-0.7445	1.9753	6.3213	0.0119	0.0414
ENSG00000168995	SIGLEC7	sialic acid binding Ig like lectin 7 [Source:HGNC Symbol;Acc:HGNC:10876]	protein coding	0.7445	2.9826	21.7035	<0.0001	<0.0001
ENSG00000186205	MTARC1	mitochondrial amidoxime reducing component 1 [Source:HGNC Symbol;Acc:HGNC:26189]	protein coding	0.7442	2.3617	16.6389	<0.0001	0.0005
ENSG00000134802	SLC43A3	solute carrier family 43 member 3 [Source:HGNC Symbol;Acc:HGNC:17466]	protein coding	0.7440	4.4612	33.7915	<0.0001	<0.0001
ENSG00000102743	SLC25A15	solute carrier family 25 member 15 [Source:HGNC Symbol;Acc:HGNC:10985]	protein coding	-0.7438	3.3721	11.0791	0.0009	0.0052
ENSG00000138449	SLC40A1	solute carrier family 40 member 1 [Source:HGNC Symbol;Acc:HGNC:10909]	protein coding	-0.7436	5.1350	14.1705	0.0002	0.0014
ENSG00000197020	ZNF100	zinc finger protein 100 [Source:HGNC Symbol;Acc:HGNC:12880]	protein coding	-0.7436	2.7719	16.7899	<0.0001	0.0005
ENSG00000139793	MBNL2	muscleblind like splicing regulator 2 [Source:HGNC Symbol;Acc:HGNC:16746]	protein coding	-0.7433	3.8427	22.9161	<0.0001	<0.0001
ENSG00000096654	ZNF184	zinc finger protein 184 [Source:HGNC Symbol;Acc:HGNC:12975]	protein coding	-0.7431	3.2206	13.2296	0.0003	0.0021

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000224650	IGHV3-74	immunoglobulin heavy variable 3-74 [Source:HGNC Symbol;Acc:HGNC:5624]	IG V gene	-0.7417	2.9295	11.6042	0.0007	0.0042
ENSG00000226745	OAZ1P1	OAZ1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:54556]	processed pseudo-gene	0.7412	3.2868	10.2929	0.0013	0.0073
ENSG00000099204	ABLIM1	actin binding LIM 1 [Source:HGNC Symbol;Acc:HGNC:78]	protein coding	-0.7412	8.0448	30.3412	<0.0001	<0.0001
ENSG00000261222		novel transcript	lncRNA	0.7410	3.5348	23.9219	<0.0001	<0.0001
ENSG00000204054	LINC00963	long intergenic non-protein coding RNA 963 [Source:HGNC Symbol;Acc:HGNC:48716]	lncRNA	0.7408	4.5838	25.3917	<0.0001	<0.0001
ENSG00000165140	FBP1	fructose-bisphosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3606]	protein coding	0.7406	2.7010	13.9783	0.0002	0.0016
ENSG00000107551	RASSF4	Ras association domain family member 4 [Source:HGNC Symbol;Acc:HGNC:20793]	protein coding	0.7400	5.7306	29.0014	<0.0001	<0.0001
ENSG00000211724	TRBV6-6	T cell receptor beta variable 6-6 [Source:HGNC Symbol;Acc:HGNC:12231]	TR V gene	-0.7395	2.5742	16.5905	<0.0001	0.0005
ENSG00000187837	H1-2	H1.2 linker histone, cluster member [Source:HGNC Symbol;Acc:HGNC:4716]	protein coding	0.7390	4.3989	34.3006	<0.0001	<0.0001
ENSG00000068305	MEF2A	myocyte enhancer factor 2A [Source:HGNC Symbol;Acc:HGNC:6993]	protein coding	-0.7389	5.4508	33.6176	<0.0001	<0.0001
ENSG00000256223	ZNF10	zinc finger protein 10 [Source:HGNC Symbol;Acc:HGNC:12879]	protein coding	-0.7380	2.3034	13.1596	0.0003	0.0022
ENSG00000082269	FAM135A	family with sequence similarity 135 member A [Source:HGNC Symbol;Acc:HGNC:21084]	protein coding	-0.7376	2.2386	14.7985	0.0001	0.0011
ENSG00000184988	TMEM106A	transmembrane protein 106A [Source:HGNC Symbol;Acc:HGNC:28288]	protein coding	0.7375	4.5109	18.9961	<0.0001	0.0002

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135392	DNAJC14	DnaJ heat shock protein family (Hsp40) member C14 [Source:HGNC Symbol;Acc:HGNC:24581]	protein coding	-0.7373	4.0248	12.1600	0.0005	0.0033
ENSG00000113282	CLINT1	clathrin interactor 1 [Source:HGNC Symbol;Acc:HGNC:23186]	protein coding	-0.7371	5.5203	20.2594	<0.0001	0.0001
ENSG00000182568	SATB1	SATB homeobox 1 [Source:HGNC Symbol;Acc:HGNC:10541]	protein coding	-0.7368	7.7099	27.1493	<0.0001	<0.0001
ENSG00000142733	MAP3K6	mitogen-activated protein kinase kinase 6 [Source:HGNC Symbol;Acc:HGNC:6858]	protein coding	0.7366	3.1321	16.2382	<0.0001	0.0006
ENSG00000198538	ZNF28	zinc finger protein 28 [Source:HGNC Symbol;Acc:HGNC:13073]	protein coding	-0.7364	3.6316	11.5549	0.0007	0.0043
ENSG00000101160	CTSZ	cathepsin Z [Source:HGNC Symbol;Acc:HGNC:2547]	protein coding	0.7356	8.1198	26.4766	<0.0001	<0.0001
ENSG00000250318		ribosomal protein L13a (RPL13A) pseudogene	unprocessed pseudo-gene	0.7348	1.8766	10.2569	0.0014	0.0074
ENSG00000273654		citrate synthase (CS) pseudogene	transcribed processed pseudo-gene	-0.7345	1.8382	7.8094	0.0052	0.0215
ENSG00000255310		novel transcript	lncRNA	-0.7341	2.6895	13.7238	0.0002	0.0017
ENSG00000163322	ABRAXAS1	abraxas 1, BRCA1 A complex subunit [Source:HGNC Symbol;Acc:HGNC:25829]	protein coding	-0.7340	3.5312	15.7094	<0.0001	0.0007
ENSG00000236330	RPL5P9	ribosomal protein L5 pseudo-gene 9 [Source:HGNC Symbol;Acc:HGNC:36557]	processed pseudo-gene	-0.7337	2.0028	10.2636	0.0014	0.0074
ENSG00000131791	PRKAB2	protein kinase AMP-activated non-catalytic subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:9379]	protein coding	-0.7335	3.1371	18.4743	<0.0001	0.0002
ENSG00000187792	ZNF70	zinc finger protein 70 [Source:HGNC Symbol;Acc:HGNC:13140]	protein coding	-0.7335	2.2907	13.7454	0.0002	0.0017

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000164284	GRPEL2	GrpE like 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:21060]	protein coding	-0.7331	4.4066	22.6321	<0.0001	<0.0001
ENSG00000211721	TRBV6-5	T cell receptor beta variable 6-5 [Source:HGNC Symbol;Acc:HGNC:12230]	TR V gene	-0.7328	3.8416	17.5768	<0.0001	0.0003
ENSG00000164111	ANXA5	annexin A5 [Source:HGNC Symbol;Acc:HGNC:543]	protein coding	0.7322	6.8916	21.2065	<0.0001	<0.0001
ENSG00000198429	ZNF69	zinc finger protein 69 [Source:HGNC Symbol;Acc:HGNC:13138]	protein coding	-0.7318	2.0202	15.1436	<0.0001	0.0009
ENSG00000110057	UNC93B1	unc-93 homolog B1, TLR signaling regulator [Source:HGNC Symbol;Acc:HGNC:13481]	protein coding	0.7316	6.5166	19.4751	<0.0001	0.0002
ENSG00000164164	OTUD4	OTU deubiquitinase 4 [Source:HGNC Symbol;Acc:HGNC:24949]	protein coding	-0.7308	5.3219	31.7767	<0.0001	<0.0001
ENSG00000186130	ZBTB6	zinc finger and BTB domain containing 6 [Source:HGNC Symbol;Acc:HGNC:16764]	protein coding	-0.7305	4.3687	28.0725	<0.0001	<0.0001
ENSG00000069956	MAPK6	mitogen-activated protein kinase 6 [Source:HGNC Symbol;Acc:HGNC:6879]	protein coding	-0.7302	3.9218	19.1532	<0.0001	0.0002
ENSG00000132953	XPO4	exportin 4 [Source:HGNC Symbol;Acc:HGNC:17796]	protein coding	-0.7301	4.2878	29.3136	<0.0001	<0.0001
ENSG00000124789	NUP153	nucleoporin 153 [Source:HGNC Symbol;Acc:HGNC:8062]	protein coding	-0.7298	5.7076	30.4801	<0.0001	<0.0001
ENSG00000000938	FGR	FGR proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3697]	protein coding	0.7297	8.8953	25.2096	<0.0001	<0.0001
ENSG00000162174	ASRGL1	asparaginase and isoaspartyl peptidase 1 [Source:HGNC Symbol;Acc:HGNC:16448]	protein coding	0.7296	2.2116	14.0358	0.0002	0.0015
ENSG00000284976		novel RING finger protein	protein coding	0.7295	4.1974	9.0474	0.0026	0.0126
ENSG00000161298	ZNF382	zinc finger protein 382 [Source:HGNC Symbol;Acc:HGNC:17409]	protein coding	-0.7292	2.3418	13.6614	0.0002	0.0018

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000116922	C1orf109	chromosome 1 open reading frame 109 [Source:HGNC Symbol;Acc:HGNC:26039]	protein coding	-0.7291	3.6699	15.6788	<0.0001	0.0008
ENSG00000237036	ZEB1-AS1	ZEB1 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:42354]	lncRNA	-0.7291	2.1330	15.1550	<0.0001	0.0009
ENSG00000095951	HIVEP1	HIVEP zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:4920]	protein coding	-0.7277	5.0374	32.3872	<0.0001	<0.0001
ENSG00000176973	FAM89B	family with sequence similarity 89 member B [Source:HGNC Symbol;Acc:HGNC:16708]	protein coding	0.7277	4.2482	21.2072	<0.0001	<0.0001
ENSG00000163993	S100P	S100 calcium binding protein P [Source:HGNC Symbol;Acc:HGNC:10504]	protein coding	0.7275	2.3008	9.4300	0.0021	0.0105
ENSG00000226660	TRBV2	T cell receptor beta variable 2 [Source:HGNC Symbol;Acc:HGNC:12195]	TR V gene	-0.7272	3.3597	7.2088	0.0073	0.0278
ENSG00000225434	LINC01504	long intergenic non-protein coding RNA 1504 [Source:HGNC Symbol;Acc:HGNC:51185]	lncRNA	0.7272	2.3939	11.3311	0.0008	0.0047
ENSG00000211820	TRAV41	T cell receptor alpha variable 41 [Source:HGNC Symbol;Acc:HGNC:12142]	TR V gene	-0.7272	1.5094	13.0308	0.0003	0.0023
ENSG00000115827	DCAF17	DDB1 and CUL4 associated factor 17 [Source:HGNC Symbol;Acc:HGNC:25784]	protein coding	-0.7261	4.3334	19.7949	<0.0001	0.0001
ENSG00000168646	AXIN2	axin 2 [Source:HGNC Symbol;Acc:HGNC:904]	protein coding	-0.7260	4.1055	24.9737	<0.0001	<0.0001
ENSG00000142875	PRKACB	protein kinase cAMP-activated catalytic subunit beta [Source:HGNC Symbol;Acc:HGNC:9381]	protein coding	-0.7257	7.0231	17.2287	<0.0001	0.0004
ENSG00000232626		FK506 binding protein 8, 38kDa (FKBP8) pseudogene	transcribed processed pseudo-gene	0.7257	2.9489	12.2254	0.0005	0.0032

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000176018	LYSMD3	LysM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:26969]	protein coding	-0.7256	4.0646	24.8003	<0.0001	<0.0001
ENSG00000106723	SPIN1	spindlin 1 [Source:HGNC Symbol;Acc:HGNC:11243]	protein coding	-0.7251	4.6325	21.9874	<0.0001	<0.0001
ENSG00000011566	MAP4K3	mitogen-activated protein kinase kinase kinase 3 [Source:HGNC Symbol;Acc:HGNC:6865]	protein coding	-0.7246	2.2989	13.4390	0.0002	0.0019
ENSG00000030582	GRN	granulin precursor [Source:HGNC Symbol;Acc:HGNC:4601]	protein coding	0.7245	8.4426	19.7441	<0.0001	0.0001
ENSG00000120725	SIL1	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:24624]	protein coding	0.7243	4.0212	15.8469	<0.0001	0.0007
ENSG00000167703	SLC43A2	solute carrier family 43 member 2 [Source:HGNC Symbol;Acc:HGNC:23087]	protein coding	0.7238	6.0585	27.0046	<0.0001	<0.0001
ENSG00000166341	DCHS1	dachsous cadherin-related 1 [Source:HGNC Symbol;Acc:HGNC:13681]	protein coding	-0.7237	4.3926	26.6568	<0.0001	<0.0001
ENSG00000211959	IGHV4-39	immunoglobulin heavy variable 4-39 [Source:HGNC Symbol;Acc:HGNC:5651]	IG V gene	-0.7235	4.6975	17.2420	<0.0001	0.0004
ENSG00000008441	NFIX	nuclear factor I X [Source:HGNC Symbol;Acc:HGNC:7788]	protein coding	0.7231	3.8660	14.7919	0.0001	0.0011
ENSG00000177888	ZBTB41	zinc finger and BTB domain containing 41 [Source:HGNC Symbol;Acc:HGNC:24819]	protein coding	-0.7227	2.8962	16.8188	<0.0001	0.0005
ENSG00000125249	RAP2A	RAP2A, member of RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9861]	protein coding	-0.7226	4.4744	29.7302	<0.0001	<0.0001
ENSG00000251247	ZNF345	zinc finger protein 345 [Source:HGNC Symbol;Acc:HGNC:16367]	protein coding	-0.7223	2.7512	21.5747	<0.0001	<0.0001
ENSG00000213235	EEF1A1P16	eukaryotic translation elongation factor 1 alpha 1 pseudogene 16 [Source:HGNC Symbol;Acc:HGNC:37889]	processed pseudo-gene	-0.7222	3.1332	7.6556	0.0057	0.023

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000004700	RECQL	RecQ like helicase [Source:HGNC Symbol;Acc:HGNC:9948]	protein coding	-0.7220	4.0375	21.5777	<0.0001	<0.0001
ENSG00000188483	IER5L	immediate early response 5 like [Source:HGNC Symbol;Acc:HGNC:23679]	protein coding	0.7217	2.0526	17.0876	<0.0001	0.0004
ENSG00000185127	C6orf120	chromosome 6 open reading frame 120 [Source:HGNC Symbol;Acc:HGNC:21247]	protein coding	-0.7216	3.3815	22.8999	<0.0001	<0.0001
ENSG00000177272	KCNA3	potassium voltage-gated channel subfamily A member 3 [Source:HGNC Symbol;Acc:HGNC:6221]	protein coding	-0.7216	4.1997	15.8361	<0.0001	0.0007
ENSG00000120708	TGFB1	transforming growth factor beta induced [Source:HGNC Symbol;Acc:HGNC:11771]	protein coding	0.7216	7.0979	24.6957	<0.0001	<0.0001
ENSG00000120784	ZFP30	ZFP30 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:29555]	protein coding	-0.7214	2.6483	19.6031	<0.0001	0.0001
ENSG00000134899	ERCC5	ERCC excision repair 5, endonuclease [Source:HGNC Symbol;Acc:HGNC:3437]	protein coding	-0.7213	1.6731	6.3873	0.0115	0.0401
ENSG00000182504	CEP97	centrosomal protein 97 [Source:HGNC Symbol;Acc:HGNC:26244]	protein coding	-0.7211	3.0241	15.1045	0.0001	0.001
ENSG00000148803	FUOM	fucose mutarotase [Source:HGNC Symbol;Acc:HGNC:24733]	protein coding	0.7211	3.7692	21.5068	<0.0001	<0.0001
ENSG00000140262	TCF12	transcription factor 12 [Source:HGNC Symbol;Acc:HGNC:11623]	protein coding	-0.7211	5.6265	30.2704	<0.0001	<0.0001
ENSG00000104177	MYEF2	myelin expression factor 2 [Source:HGNC Symbol;Acc:HGNC:17940]	protein coding	-0.7207	2.2412	12.6895	0.0004	0.0027
ENSG00000108798	ABI3	ABI family member 3 [Source:HGNC Symbol;Acc:HGNC:29859]	protein coding	0.7200	6.3782	39.0042	<0.0001	<0.0001
ENSG00000137752	CASP1	caspase 1 [Source:HGNC Symbol;Acc:HGNC:1499]	protein coding	0.7194	6.6060	24.0880	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000121741	ZMYM2	zinc finger MYM-type containing 2 [Source:HGNC Symbol;Acc:HGNC:12989]	protein coding	-0.7192	5.2563	36.6850	<0.0001	<0.0001
ENSG0000012660	ELOVL5	ELOVL fatty acid elongase 5 [Source:HGNC Symbol;Acc:HGNC:21308]	protein coding	-0.7191	6.4841	30.9503	<0.0001	<0.0001
ENSG00000164347	GFM2	G elongation factor mitochondrial 2 [Source:HGNC Symbol;Acc:HGNC:29682]	protein coding	-0.7191	3.2934	21.4444	<0.0001	<0.0001
ENSG00000112624	BICRAL	BRD4 interacting chromatin remodeling complex associated protein like [Source:HGNC Symbol;Acc:HGNC:21111]	protein coding	-0.7189	5.5319	25.8115	<0.0001	<0.0001
ENSG00000116983	HPCAL4	hippocalcin like 4 [Source:HGNC Symbol;Acc:HGNC:18212]	protein coding	-0.7186	2.5457	16.8815	<0.0001	0.0005
ENSG00000145687	SSBP2	single stranded DNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:15831]	protein coding	-0.7184	4.3934	33.9360	<0.0001	<0.0001
ENSG00000139193	CD27	CD27 molecule [Source:HGNC Symbol;Acc:HGNC:11922]	protein coding	-0.7184	6.5847	25.0935	<0.0001	<0.0001
ENSG00000004399	PLXND1	plexin D1 [Source:HGNC Symbol;Acc:HGNC:9107]	protein coding	0.7180	5.6144	38.7793	<0.0001	<0.0001
ENSG00000183696	UPP1	uridine phosphorylase 1 [Source:HGNC Symbol;Acc:HGNC:12576]	protein coding	0.7180	5.7140	32.7566	<0.0001	<0.0001
ENSG00000067836	ROGDI	rogdi atypical leucine zipper [Source:HGNC Symbol;Acc:HGNC:29478]	protein coding	0.7173	4.8543	30.9702	<0.0001	<0.0001
ENSG00000211788	TRAV13-1	T cell receptor alpha variable 13-1 [Source:HGNC Symbol;Acc:HGNC:12108]	TR V gene	-0.7172	3.4718	7.8903	0.005	0.0207
ENSG00000211710	TRBV4-1	T cell receptor beta variable 4-1 [Source:HGNC Symbol;Acc:HGNC:12215]	TR V gene	-0.7172	3.3425	14.9267	0.0001	0.001
ENSG00000148655	LRMDA	leucine rich melanocyte differentiation associated [Source:HGNC Symbol;Acc:HGNC:23405]	protein coding	0.7171	1.8936	9.1742	0.0025	0.0119

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000185697	MYBL1	MYB proto-oncogene like 1 [Source:HGNC Symbol;Acc:HGNC:7547]	protein coding	-0.7167	3.2791	17.1027	<0.0001	0.0004
ENSG00000130775	THEMIS2	thymocyte selection associated family member 2 [Source:HGNC Symbol;Acc:HGNC:16839]	protein coding	0.7166	7.5037	31.5347	<0.0001	<0.0001
ENSG00000187189	TSPYL4	TSPY like 4 [Source:HGNC Symbol;Acc:HGNC:21559]	protein coding	-0.7160	4.5069	13.6106	0.0002	0.0018
ENSG00000179639	FCER1A	Fc fragment of IgE receptor 1a [Source:HGNC Symbol;Acc:HGNC:3609]	protein coding	-0.7155	2.7289	7.0884	0.0078	0.0294
ENSG00000163492	CCDC141	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]	protein coding	-0.7154	1.5139	7.7941	0.0052	0.0216
ENSG00000115904	SOS1	SOS Ras/Rac guanine nucleotide exchange factor 1 [Source:HGNC Symbol;Acc:HGNC:11187]	protein coding	-0.7153	5.2663	29.7140	<0.0001	<0.0001
ENSG00000081237	PTPRC	protein tyrosine phosphatase receptor type C [Source:HGNC Symbol;Acc:HGNC:9666]	protein coding	-0.7152	9.7387	19.7513	<0.0001	0.0001
ENSG00000141401	IMPA2	inositol monophosphatase 2 [Source:HGNC Symbol;Acc:HGNC:6051]	protein coding	0.7151	4.3157	17.2671	<0.0001	0.0004
ENSG00000269958		novel transcript, sense intronic to KLC1	lncRNA	0.7150	2.5018	9.8003	0.0017	0.009
ENSG00000142657	PGD	phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:8891]	protein coding	0.7150	7.1591	26.3222	<0.0001	<0.0001
ENSG00000257337		novel transcript, antisense to TENC1 and EIF4B	lncRNA	0.7149	1.8178	6.8416	0.0089	0.0328
ENSG00000165821	SALL2	spalt like transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:10526]	protein coding	-0.7145	2.5781	16.6489	<0.0001	0.0005
ENSG00000155304	HSPA13	heat shock protein family A (Hsp70) member 13 [Source:HGNC Symbol;Acc:HGNC:11375]	protein coding	-0.7140	3.8437	18.4131	<0.0001	0.0002

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000082438	COBLL1	cordon-bleu WH2 repeat protein like 1 [Source:HGNC Symbol;Acc:HGNC:23571]	protein coding	-0.7138	3.0782	19.0724	<0.0001	0.0002
ENSG00000230562	FAM133DP	family with sequence similarity 133 member D, pseudogene [Source:HGNC Symbol;Acc:HGNC:44192]	processed pseudo-gene	0.7138	2.7363	20.5486	<0.0001	<0.0001
ENSG00000236383	CCDC200	coiled-coil domain containing 200 [Source:HGNC Symbol;Acc:HGNC:43658]	protein coding	0.7134	1.5466	11.2763	0.0008	0.0048
ENSG00000198554	WDHD1	WD repeat and HMG-box DNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:23170]	protein coding	-0.7133	1.6938	10.0442	0.0015	0.0081
ENSG00000211934	IGHV1-2	immunoglobulin heavy variable 1-2 [Source:HGNC Symbol;Acc:HGNC:5550]	IG V gene	-0.7133	4.0276	15.4984	<0.0001	0.0008
ENSG00000127995	CASD1	CAS1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:16014]	protein coding	-0.7131	4.1531	26.6607	<0.0001	<0.0001
ENSG00000082213	C5orf22	chromosome 5 open reading frame 22 [Source:HGNC Symbol;Acc:HGNC:25639]	protein coding	-0.7131	3.9961	8.4736	0.0036	0.0162
ENSG00000186230	ZNF749	zinc finger protein 749 [Source:HGNC Symbol;Acc:HGNC:32783]	protein coding	-0.7128	2.5113	18.2554	<0.0001	0.0003
ENSG00000134954	ETS1	ETS proto-oncogene 1, transcription factor [Source:HGNC Symbol;Acc:HGNC:3488]	protein coding	-0.7126	9.6848	11.5586	0.0007	0.0043
ENSG00000257093	DENND11	DENN domain containing 11 [Source:HGNC Symbol;Acc:HGNC:29472]	protein coding	-0.7125	5.6589	39.5851	<0.0001	<0.0001
ENSG00000172869	DMXL1	Dmx like 1 [Source:HGNC Symbol;Acc:HGNC:2937]	protein coding	-0.7123	4.9802	26.5271	<0.0001	<0.0001
ENSG00000100079	LGALS2	galectin 2 [Source:HGNC Symbol;Acc:HGNC:6562]	protein coding	0.7120	4.7524	17.4947	<0.0001	0.0004
ENSG00000115548	KDM3A	lysine demethylase 3A [Source:HGNC Symbol;Acc:HGNC:20815]	protein coding	-0.7119	6.0627	21.3491	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000197746	PSAP	prosaposin [Source:HGNC Symbol;Acc:HGNC:9498]	protein coding	0.7118	10.7922	21.3387	<0.0001	<0.0001
ENSG00000197050	ZNF420	zinc finger protein 420 [Source:HGNC Symbol;Acc:HGNC:20649]	protein coding	-0.7115	2.7912	15.5223	<0.0001	0.0008
ENSG00000144357	UBR3	ubiquitin protein ligase E3 component n-recognin 3 [Source:HGNC Symbol;Acc:HGNC:30467]	protein coding	-0.7114	4.1833	31.0081	<0.0001	<0.0001
ENSG00000144445	KANSL1L	KAT8 regulatory NSL complex subunit 1 like [Source:HGNC Symbol;Acc:HGNC:26310]	protein coding	-0.7112	2.7938	16.8798	<0.0001	0.0005
ENSG00000138688	KIAA1109	KIAA1109 [Source:HGNC Symbol;Acc:HGNC:26953]	protein coding	-0.7110	5.8266	22.1676	<0.0001	<0.0001
ENSG00000069869	NEDD4	NEDD4 E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:7727]	protein coding	-0.7105	2.5516	17.5307	<0.0001	0.0004
ENSG00000185215	TNFAIP2	TNF alpha induced protein 2 [Source:HGNC Symbol;Acc:HGNC:11895]	protein coding	0.7105	7.4364	11.3788	0.0007	0.0046
ENSG00000092439	TRPM7	transient receptor potential cation channel subfamily M member 7 [Source:HGNC Symbol;Acc:HGNC:17994]	protein coding	-0.7103	5.4334	29.3621	<0.0001	<0.0001
ENSG00000180667	YOD1	YOD1 deubiquitinase [Source:HGNC Symbol;Acc:HGNC:25035]	protein coding	-0.7100	3.2486	13.3134	0.0003	0.0021
ENSG00000138119	MYOF	myoferlin [Source:HGNC Symbol;Acc:HGNC:3656]	protein coding	0.7098	4.4039	10.0533	0.0015	0.0081
ENSG00000271856	LINC01215	long intergenic non-protein coding RNA 1215 [Source:HGNC Symbol;Acc:HGNC:49651]	lncRNA	-0.7096	5.0227	14.8852	0.0001	0.0011
ENSG00000196923	PDLIM7	PDZ and LIM domain 7 [Source:HGNC Symbol;Acc:HGNC:22958]	protein coding	0.7096	4.3988	30.2536	<0.0001	<0.0001
ENSG00000139626	ITGB7	integrin subunit beta 7 [Source:HGNC Symbol;Acc:HGNC:6162]	protein coding	-0.7095	5.2080	20.5273	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211814	TRAV35	T cell receptor alpha variable 35 [Source:HGNC Symbol;Acc:HGNC:12134]	TR V pseudo-gene	-0.7089	1.9957	9.0988	0.0026	0.0123
ENSG00000134709	HOOK1	hook microtubule tethering protein 1 [Source:HGNC Symbol;Acc:HGNC:19884]	protein coding	-0.7088	2.4689	14.2978	0.0002	0.0014
ENSG00000115306	SPTBN1	spectrin beta, non-erythrocytic 1 [Source:HGNC Symbol;Acc:HGNC:11275]	protein coding	-0.7077	7.4459	30.9797	<0.0001	<0.0001
ENSG00000254505	CHMP4A	charged multivesicular body protein 4A [Source:HGNC Symbol;Acc:HGNC:20274]	protein coding	0.7076	2.9617	20.6338	<0.0001	<0.0001
ENSG00000104903	LYL1	LYL1 basic helix-loop-helix family member [Source:HGNC Symbol;Acc:HGNC:6734]	protein coding	0.7074	6.3809	18.9896	<0.0001	0.0002
ENSG00000120318	ARAP3	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3 [Source:HGNC Symbol;Acc:HGNC:24097]	protein coding	0.7070	3.7503	26.6571	<0.0001	<0.0001
ENSG00000121281	ADCY7	adenylate cyclase 7 [Source:HGNC Symbol;Acc:HGNC:238]	protein coding	-0.7067	5.5734	11.6009	0.0007	0.0042
ENSG00000211970	IGHV4-61	immunoglobulin heavy variable 4-61 [Source:HGNC Symbol;Acc:HGNC:5655]	IG V gene	-0.7065	3.4382	10.9307	0.0009	0.0056
ENSG00000153885	KCTD15	potassium channel tetramerization domain containing 15 [Source:HGNC Symbol;Acc:HGNC:23297]	protein coding	0.7065	3.4214	24.3803	<0.0001	<0.0001
ENSG00000081377	CDC14B	cell division cycle 14B [Source:HGNC Symbol;Acc:HGNC:1719]	protein coding	-0.7064	2.2400	7.9087	0.0049	0.0206
ENSG00000154642	C21orf91	chromosome 21 open reading frame 91 [Source:HGNC Symbol;Acc:HGNC:16459]	protein coding	-0.7062	4.5693	22.1542	<0.0001	<0.0001
ENSG00000108256	NUFIP2	nuclear FMR1 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:17634]	protein coding	-0.7061	6.2419	35.1112	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000138802	SEC24B	SEC24 homolog B, COPII coat complex component [Source:HGNC Symbol;Acc:HGNC:10704]	protein coding	-0.7058	4.6575	24.1524	<0.0001	<0.0001
ENSG00000164038	SLC9B2	solute carrier family 9 member B2 [Source:HGNC Symbol;Acc:HGNC:25143]	protein coding	-0.7047	2.6997	9.8610	0.0017	0.0088
ENSG00000072952	MRVI1	murine retrovirus integration site 1 homolog [Source:HGNC Symbol;Acc:HGNC:7237]	protein coding	0.7041	3.2945	18.6420	<0.0001	0.0002
ENSG00000176273	SLC35G1	solute carrier family 35 member G1 [Source:HGNC Symbol;Acc:HGNC:26607]	protein coding	-0.7034	1.5517	9.5489	0.002	0.01
ENSG00000140678	ITGAX	integrin subunit alpha X [Source:HGNC Symbol;Acc:HGNC:6152]	protein coding	0.7031	6.8792	17.8288	<0.0001	0.0003
ENSG00000180479	ZNF571	zinc finger protein 571 [Source:HGNC Symbol;Acc:HGNC:25000]	protein coding	-0.7030	1.7887	12.8396	0.0003	0.0025
ENSG00000141232	TOB1	transducer of ERBB2, 1 [Source:HGNC Symbol;Acc:HGNC:11979]	protein coding	-0.7028	5.6756	20.0066	<0.0001	0.0001
ENSG00000167525	PROCA1	protein interacting with cyclin A1 [Source:HGNC Symbol;Acc:HGNC:28600]	protein coding	0.7027	3.1349	12.8758	0.0003	0.0025
ENSG00000147687	TATDN1	TatD DNase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24220]	protein coding	-0.7026	2.9439	10.7289	0.0011	0.0061
ENSG00000134470	IL15RA	interleukin 15 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:5978]	protein coding	0.7024	3.8520	11.2196	0.0008	0.005
ENSG00000118922	KLF12	Kruppel like factor 12 [Source:HGNC Symbol;Acc:HGNC:6346]	protein coding	-0.7022	5.6313	30.0368	<0.0001	<0.0001
ENSG00000211795	TRAV8-6	T cell receptor alpha variable 8-6 [Source:HGNC Symbol;Acc:HGNC:12151]	TR V gene	-0.7019	3.0024	14.8176	0.0001	0.0011

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000101307	SIRPB1	signal regulatory protein beta 1 [Source:HGNC Sym- bol;Acc:HGNC:15928]	protein coding	0.7015	5.9351	16.9156	<0.0001	0.0005
ENSG00000261799		novel transcript	lncRNA	-0.7014	2.9844	18.9319	<0.0001	0.0002
ENSG00000151692	RNF144A	ring finger protein 144A [Source:HGNC Sym- bol;Acc:HGNC:20457]	protein coding	-0.7012	4.7550	28.5725	<0.0001	<0.0001
ENSG00000131375	CAPN7	calpain 7 [Source:HGNC Sym- bol;Acc:HGNC:1484]	protein coding	-0.7010	3.9999	18.1714	<0.0001	0.0003
ENSG00000229644	NAMPTP1	nicotinamide phosphoribo- syltransferase pseudogene 1 [Source:HGNC Sym- bol;Acc:HGNC:17633]	processed pseudo- gene	0.7003	2.2710	10.5417	0.0012	0.0066
ENSG00000101751	POLI	DNA polymerase iota [Source:HGNC Sym- bol;Acc:HGNC:9182]	protein coding	-0.7002	3.6839	20.2772	<0.0001	0.0001
ENSG00000176542	USF3	upstream transcription factor fam- ily member 3 [Source:HGNC Symbol;Acc:HGNC:30494]	protein coding	-0.7002	5.2311	29.8544	<0.0001	<0.0001
ENSG00000101162	TUBB1	tubulin beta 1 class VI [Source:HGNC Sym- bol;Acc:HGNC:16257]	protein coding	-0.7000	5.3810	12.0715	0.0005	0.0034
ENSG00000211660	IGLV2-23	immunoglobulin lambda variable 2-23 [Source:HGNC Sym- bol;Acc:HGNC:5890]	IG V gene	-0.7000	3.9061	6.4493	0.0111	0.039
ENSG00000171150	SOCS5	suppressor of cytokine signal- ing 5 [Source:HGNC Sym- bol;Acc:HGNC:16852]	protein coding	-0.6993	3.4674	25.9242	<0.0001	<0.0001
ENSG00000279086		TEC	TEC	-0.6989	1.4931	12.4322	0.0004	0.003
ENSG00000110446	SLC15A3	solute carrier family 15 mem- ber 3 [Source:HGNC Sym- bol;Acc:HGNC:18068]	protein coding	0.6989	5.4051	24.2986	<0.0001	<0.0001
ENSG00000117602	RCAN3	RCAN family member 3 [Source:HGNC Sym- bol;Acc:HGNC:3042]	protein coding	-0.6988	6.9798	29.6945	<0.0001	<0.0001
ENSG00000182150	ERCC6L2	ERCC excision repair 6 like 2 [Source:HGNC Sym- bol;Acc:HGNC:26922]	protein coding	-0.6981	4.6783	33.4230	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000180340	FZD2	frizzled class receptor 2 [Source:HGNC Symbol;Acc:HGNC:4040]	protein coding	0.6980	2.4820	10.4236	0.0012	0.0069
ENSG00000180008	SOCS4	suppressor of cytokine signaling 4 [Source:HGNC Symbol;Acc:HGNC:19392]	protein coding	-0.6975	4.2629	31.9855	<0.0001	<0.0001
ENSG00000101236	RNF24	ring finger protein 24 [Source:HGNC Symbol;Acc:HGNC:13779]	protein coding	0.6973	5.6392	34.9578	<0.0001	<0.0001
ENSG00000164828	SUN1	Sad1 and UNC84 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18587]	protein coding	-0.6972	5.6760	26.9148	<0.0001	<0.0001
ENSG00000189042	ZNF567	zinc finger protein 567 [Source:HGNC Symbol;Acc:HGNC:28696]	protein coding	-0.6971	2.9427	18.8847	<0.0001	0.0002
ENSG00000104375	STK3	serine/threonine kinase 3 [Source:HGNC Symbol;Acc:HGNC:11406]	protein coding	0.6969	1.9500	9.9763	0.0016	0.0084
ENSG00000181982	CCDC149	coiled-coil domain containing 149 [Source:HGNC Symbol;Acc:HGNC:25405]	protein coding	0.6968	2.2740	11.2970	0.0008	0.0048
ENSG00000131503	ANKHD1	ankyrin repeat and KH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24714]	protein coding	0.6967	2.0886	11.6183	0.0007	0.0042
ENSG00000179604	CDC42EP4	CDC42 effector protein 4 [Source:HGNC Symbol;Acc:HGNC:17147]	protein coding	0.6963	2.5447	7.6499	0.0057	0.023
ENSG00000186063	AIDA	axin interactor, dorsalization associated [Source:HGNC Symbol;Acc:HGNC:25761]	protein coding	-0.6959	5.0944	20.0953	<0.0001	0.0001
ENSG00000139517	LNK2	ligand of numb-protein X 2 [Source:HGNC Symbol;Acc:HGNC:20421]	protein coding	-0.6957	3.2086	22.2852	<0.0001	<0.0001
ENSG00000159082	SYNJ1	synaptojanin 1 [Source:HGNC Symbol;Acc:HGNC:11503]	protein coding	-0.6956	3.9931	25.7922	<0.0001	<0.0001
ENSG00000204920	ZNF155	zinc finger protein 155 [Source:HGNC Symbol;Acc:HGNC:12940]	protein coding	-0.6956	1.6525	10.3098	0.0013	0.0072

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000180787	ZFP3	ZFP3 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:12861]	protein coding	-0.6953	3.6109	22.9792	<0.0001	<0.0001
ENSG00000158711	ELK4	ETS transcription factor ELK4 [Source:HGNC Symbol;Acc:HGNC:3326]	protein coding	-0.6952	5.9880	30.2586	<0.0001	<0.0001
ENSG00000196123	KIAA0895L	KIAA0895 like [Source:HGNC Symbol;Acc:HGNC:34408]	protein coding	0.6952	2.6257	10.3894	0.0013	0.007
ENSG00000184384	MAML2	mastermind like transcriptional coactivator 2 [Source:HGNC Symbol;Acc:HGNC:16259]	protein coding	-0.6951	5.4572	35.3486	<0.0001	<0.0001
ENSG00000166927	MS4A7	membrane spanning 4-domains A7 [Source:HGNC Symbol;Acc:HGNC:13378]	protein coding	0.6948	6.2351	11.8734	0.0006	0.0037
ENSG00000162616	DNAJB4	DnaJ heat shock family (Hsp40) member B4 [Source:HGNC Symbol;Acc:HGNC:14886]	protein coding	-0.6948	2.4224	15.0744	0.0001	0.001
ENSG00000111186	WNT5B	Wnt family member 5B [Source:HGNC Symbol;Acc:HGNC:16265]	protein coding	0.6946	1.5472	6.4235	0.0113	0.0395
ENSG00000034533	ASTE1	asteroid homolog 1 [Source:HGNC Symbol;Acc:HGNC:25021]	protein coding	-0.6945	3.7542	15.7422	<0.0001	0.0007
ENSG00000181404	WASHC1	WASH complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:24361]	protein coding	0.6945	4.6637	12.0138	0.0005	0.0035
ENSG00000136108	CKAP2	cytoskeleton associated protein 2 [Source:HGNC Symbol;Acc:HGNC:1990]	protein coding	-0.6944	3.7294	27.8799	<0.0001	<0.0001
ENSG00000172575	RASGRP1	RAS guanyl releasing protein 1 [Source:HGNC Symbol;Acc:HGNC:9878]	protein coding	-0.6943	6.3581	25.2076	<0.0001	<0.0001
ENSG00000167766	ZNF83	zinc finger protein 83 [Source:HGNC Symbol;Acc:HGNC:13158]	protein coding	-0.6937	4.8493	27.5525	<0.0001	<0.0001
ENSG00000119285	HEATR1	HEAT repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:25517]	protein coding	-0.6936	4.6371	22.2749	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000152443	ZNF776	zinc finger protein 776 [Source:HGNC Symbol;Acc:HGNC:26765]	protein coding	-0.6936	4.7338	20.5360	<0.0001	<0.0001
ENSG00000197008	ZNF138	zinc finger protein 138 [Source:HGNC Symbol;Acc:HGNC:12922]	protein coding	-0.6936	3.1686	9.8104	0.0017	0.009
ENSG00000168152	THAP9	THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC:23192]	protein coding	-0.6935	1.8366	10.8768	0.001	0.0057
ENSG00000167635	ZNF146	zinc finger protein 146 [Source:HGNC Symbol;Acc:HGNC:12931]	protein coding	-0.6934	5.8761	17.9135	<0.0001	0.0003
ENSG00000164039	BDH2	3-hydroxybutyrate dehydrogenase 2 [Source:HGNC Symbol;Acc:HGNC:32389]	protein coding	-0.6934	2.7086	9.6800	0.0019	0.0094
ENSG00000068885	IFT80	intraflagellar transport 80 [Source:HGNC Symbol;Acc:HGNC:29262]	protein coding	-0.6928	3.4927	16.4159	<0.0001	0.0005
ENSG00000170340	B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:15629]	protein coding	-0.6926	4.9668	24.7076	<0.0001	<0.0001
ENSG00000170485	NPAS2	neuronal PAS domain protein 2 [Source:HGNC Symbol;Acc:HGNC:7895]	protein coding	-0.6924	2.4146	17.4072	<0.0001	0.0004
ENSG00000112249	ASCC3	activating signal cointegrator 1 complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:18697]	protein coding	-0.6919	4.4072	22.4881	<0.0001	<0.0001
ENSG00000134109	EDEM1	ER degradation enhancing alpha-mannosidase like protein 1 [Source:HGNC Symbol;Acc:HGNC:18967]	protein coding	-0.6919	6.5079	25.1491	<0.0001	<0.0001
ENSG00000163378	EOGT	EGF domain specific O-linked N-acetylglucosamine transferase [Source:HGNC Symbol;Acc:HGNC:28526]	protein coding	-0.6918	1.8379	10.8586	0.001	0.0057

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000137767	SQOR	sulfide quinone oxidoreductase [Source:HGNC Symbol;Acc:HGNC:20390]	protein coding	0.6918	5.5564	26.3701	<0.0001	<0.0001
ENSG00000152894	PTPRK	protein tyrosine phosphatase receptor type K [Source:HGNC Symbol;Acc:HGNC:9674]	protein coding	-0.6916	3.9193	25.9438	<0.0001	<0.0001
ENSG00000228305		PRELI domain containing 1 (PRELID1) pseudogene	processed pseudo-gene	0.6915	4.6427	15.6414	<0.0001	0.0008
ENSG00000178719	GRINA	glutamate ionotropic receptor NMDA type subunit associated protein 1 [Source:HGNC Symbol;Acc:HGNC:4589]	protein coding	0.6913	7.1501	20.9902	<0.0001	<0.0001
ENSG00000156587	UBE2L6	ubiquitin conjugating enzyme E2 L6 [Source:HGNC Symbol;Acc:HGNC:12490]	protein coding	0.6912	8.4318	11.2133	0.0008	0.005
ENSG00000139737	SLAIN1	SLAIN motif family member 1 [Source:HGNC Symbol;Acc:HGNC:26387]	protein coding	-0.6911	3.4981	12.0150	0.0005	0.0035
ENSG00000149313	AASDHPPT	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase [Source:HGNC Symbol;Acc:HGNC:14235]	protein coding	-0.6908	4.2565	12.3869	0.0004	0.003
ENSG00000180776	ZDHHC20	zinc finger DHHC-type palmitoyltransferase 20 [Source:HGNC Symbol;Acc:HGNC:20749]	protein coding	-0.6907	5.8450	16.7595	<0.0001	0.0005
ENSG00000145246	ATP10D	ATPase phospholipid transporting 10D (putative) [Source:HGNC Symbol;Acc:HGNC:13549]	protein coding	-0.6906	3.6162	16.8902	<0.0001	0.0005
ENSG00000118596	SLC16A7	solute carrier family 16 member 7 [Source:HGNC Symbol;Acc:HGNC:10928]	protein coding	-0.6905	4.0518	19.1296	<0.0001	0.0002
ENSG00000174405	LIG4	DNA ligase 4 [Source:HGNC Symbol;Acc:HGNC:6601]	protein coding	-0.6897	4.3534	22.9009	<0.0001	<0.0001
ENSG00000169744	LDB2	LIM domain binding 2 [Source:HGNC Symbol;Acc:HGNC:6533]	protein coding	-0.6886	1.6186	12.4933	0.0004	0.0029

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000189057	FAM111B	family with sequence similarity 111 member B [Source:HGNC Symbol;Acc:HGNC:24200]	protein coding	-0.6883	2.9785	16.9550	<0.0001	0.0004
ENSG00000135249	RINT1	RAD50 interactor 1 [Source:HGNC Symbol;Acc:HGNC:21876]	protein coding	-0.6881	3.4545	19.1807	<0.0001	0.0002
ENSG00000116701	NCF2	neutrophil cytosolic factor 2 [Source:HGNC Symbol;Acc:HGNC:7661]	protein coding	0.6875	7.0486	16.4285	<0.0001	0.0005
ENSG00000224086	PPM1F-AS1	PPM1F antisense 1 [Source:HGNC Symbol;Acc:HGNC:40888]	lncRNA	0.6873	2.2593	11.3198	0.0008	0.0047
ENSG00000146757	ZNF92	zinc finger protein 92 [Source:HGNC Symbol;Acc:HGNC:13168]	protein coding	-0.6871	4.2396	18.3009	<0.0001	0.0003
ENSG00000100092	SH3BP1	SH3 domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10824]	protein coding	0.6869	5.1926	22.1628	<0.0001	<0.0001
ENSG00000116539	ASH1L	ASH1 like histone lysine methyltransferase [Source:HGNC Symbol;Acc:HGNC:19088]	protein coding	-0.6868	5.6445	24.8461	<0.0001	<0.0001
ENSG00000169564	PCBP1	poly(rC) binding protein 1 [Source:HGNC Symbol;Acc:HGNC:8647]	protein coding	-0.6867	5.0072	9.5473	0.002	0.01
ENSG00000106348	IMPDH1	inosine monophosphate dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:6052]	protein coding	0.6865	6.9456	27.5288	<0.0001	<0.0001
ENSG00000231475	IGHV4-31	immunoglobulin heavy variable 4-31 [Source:HGNC Symbol;Acc:HGNC:5649]	IG V gene	-0.6864	2.7920	10.1447	0.0014	0.0078
ENSG00000174059	CD34	CD34 molecule [Source:HGNC Symbol;Acc:HGNC:1662]	protein coding	-0.6861	1.6293	7.4047	0.0065	0.0255
ENSG00000168906	MAT2A	methionine adenosyltransferase 2A [Source:HGNC Symbol;Acc:HGNC:6904]	protein coding	-0.6850	6.3102	16.5612	<0.0001	0.0005
ENSG00000112893	MAN2A1	mannosidase alpha class 2A member 1 [Source:HGNC Symbol;Acc:HGNC:6824]	protein coding	-0.6849	5.1337	25.2865	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000100426	ZBED4	zinc finger BED-type containing 4 [Source:HGNC Symbol;Acc:HGNC:20721]	protein coding	-0.6849	5.0203	22.2503	<0.0001	<0.0001
ENSG00000151553	FAM160B1	family with sequence similarity 160 member B1 [Source:HGNC Symbol;Acc:HGNC:29320]	protein coding	-0.6848	3.8037	18.2567	<0.0001	0.0003
ENSG00000198324	PHETA1	PH domain containing endocytic trafficking adaptor 1 [Source:HGNC Symbol;Acc:HGNC:26509]	protein coding	0.6843	3.2369	19.3405	<0.0001	0.0002
ENSG00000117410	ATP6V0B	ATPase H+ transporting V0 subunit b [Source:HGNC Symbol;Acc:HGNC:861]	protein coding	0.6839	7.3834	25.6067	<0.0001	<0.0001
ENSG00000241553	ARPC4	actin related protein 2/3 complex subunit 4 [Source:HGNC Symbol;Acc:HGNC:707]	protein coding	0.6839	7.5419	24.6344	<0.0001	<0.0001
ENSG00000196437	ZNF569	zinc finger protein 569 [Source:HGNC Symbol;Acc:HGNC:24737]	protein coding	-0.6838	2.3912	15.3121	<0.0001	0.0009
ENSG00000125744	RTN2	reticulon 2 [Source:HGNC Symbol;Acc:HGNC:10468]	protein coding	0.6835	2.2767	15.5927	<0.0001	0.0008
ENSG00000211794	TRAV12-3	T cell receptor alpha variable 12-3 [Source:HGNC Symbol;Acc:HGNC:12107]	TR V gene	-0.6833	2.5716	14.5847	0.0001	0.0012
ENSG00000028277	POU2F2	POU class 2 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:9213]	protein coding	0.6832	8.5810	20.3593	<0.0001	0.0001
ENSG00000232869	TRBV29-1	T cell receptor beta variable 29-1 [Source:HGNC Symbol;Acc:HGNC:12210]	TR V gene	-0.6832	4.0694	16.5752	<0.0001	0.0005
ENSG00000272602	ZNF595	zinc finger protein 595 [Source:HGNC Symbol;Acc:HGNC:27196]	protein coding	-0.6831	2.6108	12.4705	0.0004	0.0029
ENSG00000173041	ZNF680	zinc finger protein 680 [Source:HGNC Symbol;Acc:HGNC:26897]	protein coding	-0.6825	2.4823	16.0497	<0.0001	0.0006
ENSG00000071246	VASH1	vasohibin 1 [Source:HGNC Symbol;Acc:HGNC:19964]	protein coding	0.6824	3.2255	19.5347	<0.0001	0.0002

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000145715	RASA1	RAS p21 protein activator 1 [Source:HGNC Symbol;Acc:HGNC:9871]	protein coding	-0.6820	4.1787	21.6601	<0.0001	<0.0001
ENSG00000197747	S100A10	S100 calcium binding protein A10 [Source:HGNC Symbol;Acc:HGNC:10487]	protein coding	0.6819	8.3337	19.5098	<0.0001	0.0002
ENSG00000137075	RNF38	ring finger protein 38 [Source:HGNC Symbol;Acc:HGNC:18052]	protein coding	-0.6817	5.6490	26.4337	<0.0001	<0.0001
ENSG00000141447	OSBPL1A	oxysterol binding protein like 1A [Source:HGNC Symbol;Acc:HGNC:16398]	protein coding	-0.6814	1.1453	7.9605	0.0048	0.0202
ENSG00000164659	KIAA1324L	KIAA1324 like [Source:HGNC Symbol;Acc:HGNC:21945]	protein coding	-0.6810	2.3734	12.6355	0.0004	0.0027
ENSG00000103381	CPPED1	calcineurin like phosphoesterase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25632]	protein coding	0.6810	6.4870	25.5685	<0.0001	<0.0001
ENSG00000065243	PKN2	protein kinase N2 [Source:HGNC Symbol;Acc:HGNC:9406]	protein coding	-0.6808	4.2268	23.3132	<0.0001	<0.0001
ENSG00000100364	KIAA0930	KIAA0930 [Source:HGNC Symbol;Acc:HGNC:1314]	protein coding	0.6808	7.7109	26.8401	<0.0001	<0.0001
ENSG00000258501	EIF3LP1	eukaryotic translation initiation factor 3 subunit L pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:20010]	processed pseudo-gene	-0.6807	3.6518	10.7268	0.0011	0.0061
ENSG00000123552	USP45	ubiquitin specific peptidase 45 [Source:HGNC Symbol;Acc:HGNC:20080]	protein coding	-0.6807	2.1751	15.0001	0.0001	0.001
ENSG00000151665	PIGF	phosphatidylinositol anchor biosynthesis class F [Source:HGNC Symbol;Acc:HGNC:8962]	protein coding	-0.6806	1.6322	9.5572	0.002	0.0099
ENSG00000096433	ITPR3	inositol 1,4,5-trisphosphate receptor type 3 [Source:HGNC Symbol;Acc:HGNC:6182]	protein coding	-0.6806	5.5449	16.4859	<0.0001	0.0005
ENSG00000052723	SIKE1	suppressor of IKBKE 1 [Source:HGNC Symbol;Acc:HGNC:26119]	protein coding	-0.6805	4.6729	21.4156	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000226986		pseudogene similar to px19-like protein (PX19)	processed pseudo-gene	0.6803	2.1713	13.1320	0.0003	0.0022
ENSG00000087237	CETP	cholesteryl ester transfer protein [Source:HGNC Symbol;Acc:HGNC:1869]	protein coding	0.6801	1.8599	13.2799	0.0003	0.0021
ENSG00000197134	ZNF257	zinc finger protein 257 [Source:HGNC Symbol;Acc:HGNC:13498]	protein coding	-0.6799	1.1115	11.1815	0.0008	0.005
ENSG00000113088	GZMK	granzyme K [Source:HGNC Symbol;Acc:HGNC:4711]	protein coding	-0.6798	3.8039	18.3374	<0.0001	0.0003
ENSG00000280047		TEC	TEC	0.6795	2.1803	13.3657	0.0003	0.002
ENSG00000092148	HECTD1	HECT domain E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:20157]	protein coding	-0.6792	5.3980	26.5572	<0.0001	<0.0001
ENSG00000205763	RP9P	RP9 pseudogene [Source:HGNC Symbol;Acc:HGNC:33969]	transcribed unprocessed pseudo-gene	0.6792	1.6311	12.1980	0.0005	0.0033
ENSG00000125430	HS3ST3B1	heparan sulfate-glucosamine 3-sulfotransferase 3B1 [Source:HGNC Symbol;Acc:HGNC:5198]	protein coding	-0.6791	4.2653	13.4561	0.0002	0.0019
ENSG00000185340	GAS2L1	growth arrest specific 2 like 1 [Source:HGNC Symbol;Acc:HGNC:16955]	protein coding	0.6791	3.8135	13.5667	0.0002	0.0018
ENSG00000077097	TOP2B	DNA topoisomerase II beta [Source:HGNC Symbol;Acc:HGNC:11990]	protein coding	-0.6786	6.7582	20.2868	<0.0001	0.0001
ENSG00000196562	SULF2	sulfatase 2 [Source:HGNC Symbol;Acc:HGNC:20392]	protein coding	0.6786	6.2265	21.8355	<0.0001	<0.0001
ENSG00000040199	PHLPP2	PH domain and leucine rich repeat protein phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:29149]	protein coding	-0.6782	3.0150	13.8426	0.0002	0.0016
ENSG00000127507	ADGRE2	adhesion G protein-coupled receptor E2 [Source:HGNC Symbol;Acc:HGNC:3337]	protein coding	0.6782	4.9371	19.4913	<0.0001	0.0002

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000197635	DPP4	dipeptidyl peptidase 4 [Source:HGNC bol;Acc:HGNC:3009]	protein coding	-0.6782	5.2840	10.7826	0.001	0.0059
ENSG00000223609	HBD	hemoglobin subunit delta [Source:HGNC bol;Acc:HGNC:4829]	protein coding	0.6779	5.3641	11.1295	0.0008	0.0051
ENSG00000069667	RORA	RAR related orphan recep- tor A [Source:HGNC bol;Acc:HGNC:10258]	protein coding	-0.6779	4.3639	15.8240	<0.0001	0.0007
ENSG00000085788	DDHD2	DDHD domain contain- ing 2 [Source:HGNC bol;Acc:HGNC:29106]	protein coding	-0.6776	4.9385	25.2767	<0.0001	<0.0001
ENSG00000108474	PIGL	phosphatidylinositol glycan anchor biosynthesis class L [Source:HGNC bol;Acc:HGNC:8966]	protein coding	-0.6776	3.6395	17.7087	<0.0001	0.0003
ENSG00000198677	TTC37	tetratricopeptide repeat do- main 37 [Source:HGNC bol;Acc:HGNC:23639]	protein coding	-0.6769	5.3020	27.2064	<0.0001	<0.0001
ENSG00000055609	KMT2C	lysine methyltransferase 2C [Source:HGNC bol;Acc:HGNC:13726]	protein coding	-0.6769	6.8009	20.9164	<0.0001	<0.0001
ENSG00000225137	DYNC1I2P1	dynein cytoplasmic 1 inter- mediate chain 2 pseudo- gene 1 [Source:HGNC bol;Acc:HGNC:45012]	processed pseudo- gene	0.6768	4.3665	27.0023	<0.0001	<0.0001
ENSG00000033867	SLC4A7	solute carrier family 4 mem- ber 7 [Source:HGNC bol;Acc:HGNC:11033]	protein coding	-0.6767	4.3771	17.4084	<0.0001	0.0004
ENSG00000125505	MBOAT7	membrane bound O- acyltransferase domain con- taining 7 [Source:HGNC bol;Acc:HGNC:15505]	protein coding	0.6764	5.8747	24.4285	<0.0001	<0.0001
ENSG00000090971	NAT14	N-acetyltransferase 14 (pu- tative) [Source:HGNC bol;Acc:HGNC:28918]	protein coding	0.6764	2.8821	16.4316	<0.0001	0.0005
ENSG00000186020	ZNF529	zinc finger protein 529 [Source:HGNC bol;Acc:HGNC:29328]	protein coding	-0.6759	3.4002	20.6150	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211716	TRBV9	T cell receptor beta variable 9 [Source:HGNC Symbol;Acc:HGNC:12246]	TR V gene	-0.6744	3.3646	11.5350	0.0007	0.0043
ENSG00000213722	DDAH2	dimethylarginine dimethylaminohydrolase 2 [Source:HGNC Symbol;Acc:HGNC:2716]	protein coding	0.6741	5.3984	33.2923	<0.0001	<0.0001
ENSG00000186010	NDUFA13	NADH:ubiquinone oxidoreductase subunit A13 [Source:HGNC Symbol;Acc:HGNC:17194]	protein coding	0.6741	2.5383	7.2143	0.0072	0.0278
ENSG00000164733	CTSB	cathepsin B [Source:HGNC Symbol;Acc:HGNC:2527]	protein coding	0.6738	8.6834	18.3671	<0.0001	0.0002
ENSG00000140987	ZSCAN32	zinc finger and SCAN domain containing 32 [Source:HGNC Symbol;Acc:HGNC:20812]	protein coding	-0.6735	4.3643	14.1021	0.0002	0.0015
ENSG00000116691	MIIP	migration and invasion inhibitory protein [Source:HGNC Symbol;Acc:HGNC:25715]	protein coding	0.6735	5.6857	15.1992	<0.0001	0.0009
ENSG00000173442	EHBP1L1	EH domain binding protein 1 like 1 [Source:HGNC Symbol;Acc:HGNC:30682]	protein coding	0.6731	7.2404	17.4308	<0.0001	0.0004
ENSG00000140948	ZCCHC14	zinc finger CCHC-type containing 14 [Source:HGNC Symbol;Acc:HGNC:24134]	protein coding	-0.6729	4.1997	19.2762	<0.0001	0.0002
ENSG00000108395	TRIM37	tripartite motif containing 37 [Source:HGNC Symbol;Acc:HGNC:7523]	protein coding	-0.6728	3.7942	17.0784	<0.0001	0.0004
ENSG00000125347	IRF1	interferon regulatory factor 1 [Source:HGNC Symbol;Acc:HGNC:6116]	protein coding	0.6710	8.5415	16.1923	<0.0001	0.0006
ENSG00000182118	FAM89A	family with sequence similarity 89 member A [Source:HGNC Symbol;Acc:HGNC:25057]	protein coding	0.6709	1.6701	14.2363	0.0002	0.0014
ENSG00000174469	CNTNAP2	contactin associated protein 2 [Source:HGNC Symbol;Acc:HGNC:13830]	protein coding	-0.6708	1.9135	8.4396	0.0037	0.0164
ENSG00000173114	LRRN3	leucine rich repeat neuronal 3 [Source:HGNC Symbol;Acc:HGNC:17200]	protein coding	-0.6706	7.4420	15.2875	<0.0001	0.0009

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211943	IGHV3-15	immunoglobulin heavy variable 3-15 [Source:HGNC Symbol;Acc:HGNC:5582]	IG V gene	-0.6706	3.8139	18.1914	<0.0001	0.0003
ENSG00000196358	NTNG2	netrin G2 [Source:HGNC Symbol;Acc:HGNC:14288]	protein coding	0.6702	2.5770	6.4049	0.0114	0.0398
ENSG00000135473	PAN2	poly(A) specific ribonuclease subunit PAN2 [Source:HGNC Symbol;Acc:HGNC:20074]	protein coding	-0.6702	4.5522	11.1751	0.0008	0.005
ENSG00000130589	HELZ2	helicase with zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:30021]	protein coding	0.6701	6.8805	6.3121	0.012	0.0415
ENSG00000173327	MAP3K11	mitogen-activated protein kinase kinase 11 [Source:HGNC Symbol;Acc:HGNC:6850]	protein coding	0.6700	6.9699	25.9732	<0.0001	<0.0001
ENSG00000163449	TMEM169	transmembrane 169 [Source:HGNC Symbol;Acc:HGNC:25130]	protein coding	-0.6698	2.3545	16.6350	<0.0001	0.0005
ENSG00000173890	GPR160	G protein-coupled receptor 160 [Source:HGNC Symbol;Acc:HGNC:23693]	protein coding	-0.6697	3.3747	15.7667	<0.0001	0.0007
ENSG00000152213	ARL11	ADP ribosylation factor like GT-Pase 11 [Source:HGNC Symbol;Acc:HGNC:24046]	protein coding	0.6696	4.3772	20.6486	<0.0001	<0.0001
ENSG00000211976	IGHV3-73	immunoglobulin heavy variable 3-73 [Source:HGNC Symbol;Acc:HGNC:5623]	IG V gene	-0.6695	2.0020	6.1448	0.0132	0.0446
ENSG00000213347	MXD3	MAX dimerization protein 3 [Source:HGNC Symbol;Acc:HGNC:14008]	protein coding	0.6691	2.7068	7.8753	0.005	0.0208
ENSG00000263934	SNORD3A	small nucleolar RNA, C/D box 3A [Source:HGNC Symbol;Acc:HGNC:33189]	snoRNA	0.6679	6.3195	9.6595	0.0019	0.0095
ENSG00000127334	DYRK2	dual specificity tyrosine phosphorylation regulated kinase 2 [Source:HGNC Symbol;Acc:HGNC:3093]	protein coding	-0.6678	6.6715	24.7899	<0.0001	<0.0001
ENSG00000282173	TRBJ1-5	T cell receptor beta joining 1-5 [Source:HGNC Symbol;Acc:HGNC:12166]	TR J gene	-0.6677	1.3076	9.0801	0.0026	0.0124

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000116704	SLC35D1	solute carrier family 35 member D1 [Source:HGNC Symbol;Acc:HGNC:20800]	protein coding	-0.6675	4.5755	36.4437	<0.0001	<0.0001
ENSG00000211745	TRBV4-2	T cell receptor beta variable 4-2 [Source:HGNC Symbol;Acc:HGNC:12216]	TR V gene	-0.6674	3.5322	6.2453	0.0125	0.0428
ENSG00000042493	CAPG	capping actin protein, gelsolin like [Source:HGNC Symbol;Acc:HGNC:1474]	protein coding	0.6673	6.7119	26.0111	<0.0001	<0.0001
ENSG00000187735	TCEA1	transcription elongation factor A1 [Source:HGNC Symbol;Acc:HGNC:11612]	protein coding	-0.6672	5.3498	16.5946	<0.0001	0.0005
ENSG00000279457	WASH9P	WAS protein family homolog 9, pseudogene [Source:HGNC Symbol;Acc:HGNC:53981]	unprocessed pseudo-gene	0.6672	3.3599	6.3636	0.0116	0.0405
ENSG00000011523	CEP68	centrosomal protein 68 [Source:HGNC Symbol;Acc:HGNC:29076]	protein coding	-0.6672	4.0657	26.1451	<0.0001	<0.0001
ENSG00000227173	MYL6P3	myosin light chain 6 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:37812]	processed pseudo-gene	0.6670	3.3089	16.4716	<0.0001	0.0005
ENSG00000152926	ZNF117	zinc finger protein 117 [Source:HGNC Symbol;Acc:HGNC:12897]	protein coding	-0.6666	2.1739	12.3501	0.0004	0.0031
ENSG00000227232	WASH7P	WASP family homolog 7, pseudogene [Source:HGNC Symbol;Acc:HGNC:38034]	unprocessed pseudo-gene	0.6665	1.4607	6.9515	0.0084	0.0313
ENSG00000134070	IRAK2	interleukin 1 receptor associated kinase 2 [Source:HGNC Symbol;Acc:HGNC:6113]	protein coding	-0.6664	2.5518	12.2809	0.0005	0.0032
ENSG00000155465	SLC7A7	solute carrier family 7 member 7 [Source:HGNC Symbol;Acc:HGNC:11065]	protein coding	0.6663	7.1460	16.8100	<0.0001	0.0005
ENSG00000187097	ENTPD5	ectonucleoside triphosphate diphosphohydrolase 5 (inactive) [Source:HGNC Symbol;Acc:HGNC:3367]	protein coding	-0.6661	2.9660	13.7328	0.0002	0.0017

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000083535	PIBF1	progesterone immunomodulatory binding factor 1 [Source:HGNC Symbol;Acc:HGNC:23352]	protein coding	-0.6658	3.5558	16.3318	<0.0001	0.0006
ENSG00000108506	INTS2	integrator complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:29241]	protein coding	-0.6654	3.3429	20.0088	<0.0001	0.0001
ENSG00000166947	EPB42	erythrocyte membrane protein band 4.2 [Source:HGNC Symbol;Acc:HGNC:3381]	protein coding	0.6651	3.2541	8.9733	0.0027	0.013
ENSG00000144306	SCRN3	secernin 3 [Source:HGNC Symbol;Acc:HGNC:30382]	protein coding	-0.6650	3.1167	11.1838	0.0008	0.005
ENSG00000115966	ATF2	activating transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:784]	protein coding	-0.6649	4.9702	26.9340	<0.0001	<0.0001
ENSG00000091039	OSBPL8	oxysterol binding protein like 8 [Source:HGNC Symbol;Acc:HGNC:16396]	protein coding	-0.6644	5.7976	23.1705	<0.0001	<0.0001
ENSG00000173200	PARP15	poly(ADP-ribose) polymerase family member 15 [Source:HGNC Symbol;Acc:HGNC:26876]	protein coding	-0.6643	6.0657	17.2805	<0.0001	0.0004
ENSG00000060491	OGFR	opioid growth factor receptor [Source:HGNC Symbol;Acc:HGNC:15768]	protein coding	0.6643	6.7624	15.2687	<0.0001	0.0009
ENSG00000166128	RAB8B	RAB8B, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:30273]	protein coding	-0.6640	5.6840	16.5264	<0.0001	0.0005
ENSG00000109586	GALNT7	polypeptide N-acetylgalactosaminyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:4129]	protein coding	-0.6637	3.9981	15.3714	<0.0001	0.0009
ENSG00000141219	C17orf80	chromosome 17 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:29601]	protein coding	-0.6634	3.7566	16.9752	<0.0001	0.0004
ENSG00000204434	POTEKP	POTE ankyrin domain family member K, pseudogene [Source:HGNC Symbol;Acc:HGNC:30182]	unprocessed pseudo-gene	0.6632	3.7173	7.4797	0.0062	0.0248

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000066777	ARFGEF1	ADP ribosylation factor guanine nucleotide exchange factor 1 [Source:HGNC Symbol;Acc:HGNC:15772]	protein coding	-0.6630	5.8292	33.1666	<0.0001	<0.0001
ENSG00000110841	PPFIBP1	PPFIA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9249]	protein coding	-0.6626	1.8541	11.2727	0.0008	0.0048
ENSG00000152332	UHMK1	U2AF homology motif kinase 1 [Source:HGNC Symbol;Acc:HGNC:19683]	protein coding	-0.6624	6.2710	25.1136	<0.0001	<0.0001
ENSG00000125247	TMTC4	transmembrane O-mannosyltransferase targeting cadherins 4 [Source:HGNC Symbol;Acc:HGNC:25904]	protein coding	-0.6623	3.0669	12.9364	0.0003	0.0024
ENSG00000005700	IBTK	inhibitor of Bruton tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:17853]	protein coding	-0.6623	4.6215	26.0608	<0.0001	<0.0001
ENSG00000117322	CR2	complement C3d receptor 2 [Source:HGNC Symbol;Acc:HGNC:2336]	protein coding	-0.6622	5.4318	17.5820	<0.0001	0.0003
ENSG00000138439	FAM117B	family with sequence similarity 117 member B [Source:HGNC Symbol;Acc:HGNC:14440]	protein coding	-0.6621	5.9865	31.5504	<0.0001	<0.0001
ENSG00000231680	LINC02723	long intergenic non-protein coding RNA 2723 [Source:HGNC Symbol;Acc:HGNC:54240]	lncRNA	0.6620	1.4915	6.6446	0.0099	0.0357
ENSG00000123700	KCNJ2	potassium inwardly rectifying channel subfamily J member 2 [Source:HGNC Symbol;Acc:HGNC:6263]	protein coding	0.6617	2.4795	8.2223	0.0041	0.018
ENSG00000035115	SH3YL1	SH3 and SYLF domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29546]	protein coding	-0.6616	4.9830	13.6179	0.0002	0.0018
ENSG00000160336	ZNF761	zinc finger protein 761 [Source:HGNC Symbol;Acc:HGNC:23179]	protein coding	-0.6614	3.7130	22.0896	<0.0001	<0.0001
ENSG00000280202	TEC		TEC	-0.6613	1.9649	9.3219	0.0023	0.0111

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000179862	CITED4	Cbp/p300 interacting trans-activator with Glu/Asp rich carboxy-terminal domain 4 [Source:HGNC Symbol;Acc:HGNC:18696]	protein coding	0.6606	1.7819	8.5222	0.0035	0.0158
ENSG00000112294	ALDH5A1	aldehyde dehydrogenase 5 family member A1 [Source:HGNC Symbol;Acc:HGNC:408]	protein coding	-0.6601	4.7051	12.0750	0.0005	0.0034
ENSG00000142544	CTU1	cytosolic thiouridylase subunit 1 [Source:HGNC Symbol;Acc:HGNC:29590]	protein coding	0.6601	2.6469	7.7847	0.0053	0.0217
ENSG00000169692	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:325]	protein coding	0.6601	4.5287	29.4281	<0.0001	<0.0001
ENSG00000121858	TNFSF10	TNF superfamily member 10 [Source:HGNC Symbol;Acc:HGNC:11925]	protein coding	0.6600	7.4716	6.7303	0.0095	0.0344
ENSG00000107771	CCSER2	coiled-coil serine rich protein 2 [Source:HGNC Symbol;Acc:HGNC:29197]	protein coding	-0.6594	5.6788	29.6593	<0.0001	<0.0001
ENSG00000066739	ATG2B	autophagy related 2B [Source:HGNC Symbol;Acc:HGNC:20187]	protein coding	-0.6593	4.9044	26.9525	<0.0001	<0.0001
ENSG00000211734	TRBV5-1	T cell receptor beta variable 5-1 [Source:HGNC Symbol;Acc:HGNC:12218]	TR V gene	-0.6592	4.6822	13.0018	0.0003	0.0023
ENSG00000255749	GNAI2P1	G protein subunit alpha i2 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:4386]	processed pseudo-gene	0.6591	3.5028	10.9006	0.001	0.0056
ENSG00000139132	FGD4	FYVE, RhoGEF and PH domain containing 4 [Source:HGNC Symbol;Acc:HGNC:19125]	protein coding	0.6583	3.2827	17.7179	<0.0001	0.0003
ENSG00000170915	PAQR8	progesterone and adipoQ receptor family member 8 [Source:HGNC Symbol;Acc:HGNC:15708]	protein coding	-0.6583	5.9488	27.0237	<0.0001	<0.0001
ENSG00000197863	ZNF790	zinc finger protein 790 [Source:HGNC Symbol;Acc:HGNC:33114]	protein coding	-0.6580	1.8981	12.7562	0.0004	0.0026

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000113300	CNOT6	CCR4-NOT transcription complex subunit 6 [Source:HGNC Symbol;Acc:HGNC:14099]	protein coding	-0.6579	5.0118	15.5645	<0.0001	0.0008
ENSG00000132356	PRKAA1	protein kinase AMP-activated catalytic subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:9376]	protein coding	-0.6578	5.1116	33.1810	<0.0001	<0.0001
ENSG00000285437	POLR2J3	RNA polymerase II subunit J3 [Source:HGNC Symbol;Acc:HGNC:33853]	protein coding	0.6573	2.6536	6.4591	0.011	0.0389
ENSG00000179295	PTPN11	protein tyrosine phosphatase non-receptor type 11 [Source:HGNC Symbol;Acc:HGNC:9644]	protein coding	-0.6569	5.5826	10.6499	0.0011	0.0063
ENSG00000128594	LRRC4	leucine rich repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:15586]	protein coding	0.6569	2.2708	6.9485	0.0084	0.0313
ENSG00000148700	ADD3	adducin 3 [Source:HGNC Symbol;Acc:HGNC:245]	protein coding	-0.6567	7.6773	26.0710	<0.0001	<0.0001
ENSG00000132326	PER2	period circadian regulator 2 [Source:HGNC Symbol;Acc:HGNC:8846]	protein coding	-0.6566	3.1327	8.2472	0.0041	0.0178
ENSG00000120137	PANK3	pantothenate kinase 3 [Source:HGNC Symbol;Acc:HGNC:19365]	protein coding	-0.6564	4.5712	26.3415	<0.0001	<0.0001
ENSG00000188647	PTAR1	protein prenyltransferase alpha subunit repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:30449]	protein coding	-0.6562	4.3494	17.0794	<0.0001	0.0004
ENSG00000205189	ZBTB10	zinc finger and BTB domain containing 10 [Source:HGNC Symbol;Acc:HGNC:30953]	protein coding	-0.6555	3.2623	17.5052	<0.0001	0.0004
ENSG00000113328	CCNG1	cyclin G1 [Source:HGNC Symbol;Acc:HGNC:1592]	protein coding	-0.6552	6.0421	16.6459	<0.0001	0.0005
ENSG00000132405	TBC1D14	TBC1 domain family member 14 [Source:HGNC Symbol;Acc:HGNC:29246]	protein coding	-0.6542	4.7167	22.7861	<0.0001	<0.0001
ENSG00000162882	HAAO	3-hydroxyanthranilate 3,4-dioxygenase [Source:HGNC Symbol;Acc:HGNC:4796]	protein coding	0.6542	1.4956	6.7862	0.0092	0.0336

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000185658	BRWD1	bromodomain and WD repeat domain containing 1 [Source:HGNC Symbol;Acc:HGNC:12760]	protein coding	-0.6541	5.3177	29.0003	<0.0001	<0.0001
ENSG00000164306	PRIMPOL	primase and DNA directed polymerase [Source:HGNC Symbol;Acc:HGNC:26575]	protein coding	-0.6540	2.3470	14.7080	0.0001	0.0011
ENSG00000064313	TAF2	TATA-box binding protein associated factor 2 [Source:HGNC Symbol;Acc:HGNC:11536]	protein coding	-0.6539	4.3657	23.9542	<0.0001	<0.0001
ENSG00000188820	CALHM6	calcium homeostasis modulator family member 6 [Source:HGNC Symbol;Acc:HGNC:33391]	protein coding	0.6539	2.1870	7.5624	0.006	0.0239
ENSG00000163519	TRAT1	T cell receptor associated transmembrane adaptor 1 [Source:HGNC Symbol;Acc:HGNC:30698]	protein coding	-0.6538	6.1901	14.2733	0.0002	0.0014
ENSG00000196177	ACADSB	acyl-CoA dehydrogenase short-/branched chain [Source:HGNC Symbol;Acc:HGNC:91]	protein coding	-0.6535	4.2064	18.4393	<0.0001	0.0002
ENSG00000211937	IGHV2-5	immunoglobulin heavy variable 2-5 [Source:HGNC Symbol;Acc:HGNC:5576]	IG V gene	-0.6533	2.7614	14.6559	0.0001	0.0012
ENSG00000134369	NAV1	neuron navigator 1 [Source:HGNC Symbol;Acc:HGNC:15989]	protein coding	-0.6531	2.3127	15.3926	<0.0001	0.0008
ENSG00000106299	WASL	WASP like actin nucleation promoting factor [Source:HGNC Symbol;Acc:HGNC:12735]	protein coding	-0.6527	3.2716	17.3520	<0.0001	0.0004
ENSG00000223361	FTH1P10	ferritin heavy chain 1 pseudo-gene 10 [Source:HGNC Symbol;Acc:HGNC:3980]	transcribed processed pseudo-gene	0.6526	2.2718	9.0966	0.0026	0.0123
ENSG00000185905	C16orf54	chromosome 16 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:26649]	protein coding	-0.6526	7.7398	13.2958	0.0003	0.0021
ENSG00000100934	SEC23A	Sec23 homolog A, COPII coat complex component [Source:HGNC Symbol;Acc:HGNC:10701]	protein coding	-0.6520	4.1575	20.5162	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000094975	SUCO	SUN domain containing ossification factor [Source:HGNC Symbol;Acc:HGNC:1240]	protein coding	-0.6519	4.5516	24.9315	<0.0001	<0.0001
ENSG00000173273	TNKS	tankyrase [Source:HGNC Symbol;Acc:HGNC:11941]	protein coding	-0.6519	4.6676	22.6834	<0.0001	<0.0001
ENSG00000174442	ZWILCH	zwilch kinetochore protein [Source:HGNC Symbol;Acc:HGNC:25468]	protein coding	-0.6519	2.0583	10.3806	0.0013	0.007
ENSG00000005238	FAM214B	family with sequence similarity 214 member B [Source:HGNC Symbol;Acc:HGNC:25666]	protein coding	0.6517	5.6207	27.7229	<0.0001	<0.0001
ENSG00000164187	LMBRD2	LMBR1 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25287]	protein coding	-0.6514	3.3288	16.7188	<0.0001	0.0005
ENSG00000211746	TRBV19	T cell receptor beta variable 19 [Source:HGNC Symbol;Acc:HGNC:12194]	TR V gene	-0.6511	4.1065	17.7782	<0.0001	0.0003
ENSG00000089050	RBBP9	RB binding protein 9, serine hydrolase [Source:HGNC Symbol;Acc:HGNC:9892]	protein coding	-0.6510	3.0790	7.1370	0.0076	0.0287
ENSG00000250144		eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) pseudogene	processed pseudogene	-0.6505	2.2782	10.4151	0.0012	0.0069
ENSG00000166145	SPINT1	serine peptidase inhibitor, Kunitz type 1 [Source:HGNC Symbol;Acc:HGNC:11246]	protein coding	0.6504	3.8001	23.7009	<0.0001	<0.0001
ENSG00000169193	CCDC126	coiled-coil domain containing 126 [Source:HGNC Symbol;Acc:HGNC:22398]	protein coding	-0.6504	2.4186	8.9101	0.0028	0.0133
ENSG00000154511	DIPK1A	divergent protein kinase domain 1A [Source:HGNC Symbol;Acc:HGNC:32213]	protein coding	-0.6503	4.3384	17.5292	<0.0001	0.0004
ENSG00000120519	SLC10A7	solute carrier family 10 member 7 [Source:HGNC Symbol;Acc:HGNC:23088]	protein coding	-0.6503	2.9537	10.9750	0.0009	0.0055
ENSG00000170989	S1PR1	sphingosine-1-phosphate receptor 1 [Source:HGNC Symbol;Acc:HGNC:3165]	protein coding	-0.6503	8.1177	10.9948	0.0009	0.0054

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000171928	TVP23B	trans-golgi network vesicle protein 23 homolog B [Source:HGNC Symbol;Acc:HGNC:20399]	protein coding	-0.6497	3.3727	7.4683	0.0063	0.0249
ENSG00000104756	KCTD9	potassium channel tetramerization domain containing 9 [Source:HGNC Symbol;Acc:HGNC:22401]	protein coding	-0.6495	3.3744	21.5626	<0.0001	<0.0001
ENSG00000105835	NAMPT	nicotinamide phosphoribosyl-transferase [Source:HGNC Symbol;Acc:HGNC:30092]	protein coding	0.6494	4.8380	13.5932	0.0002	0.0018
ENSG00000170113	NIPA1	NIPA magnesium transporter 1 [Source:HGNC Symbol;Acc:HGNC:17043]	protein coding	-0.6491	3.7711	12.0658	0.0005	0.0035
ENSG00000135272	MDFIC	MyoD family inhibitor domain containing [Source:HGNC Symbol;Acc:HGNC:28870]	protein coding	-0.6483	5.4722	29.3714	<0.0001	<0.0001
ENSG00000183691	NOG	noggin [Source:HGNC Symbol;Acc:HGNC:7866]	protein coding	-0.6482	5.5678	31.9000	<0.0001	<0.0001
ENSG00000146094	DOK3	docking protein 3 [Source:HGNC Symbol;Acc:HGNC:24583]	protein coding	0.6480	5.8015	29.3952	<0.0001	<0.0001
ENSG00000245848	CEBPA	CCAAT enhancer binding protein alpha [Source:HGNC Symbol;Acc:HGNC:1833]	protein coding	0.6479	2.9355	12.7595	0.0004	0.0026
ENSG00000168116	KIAA1586	KIAA1586 [Source:HGNC Symbol;Acc:HGNC:21360]	protein coding	-0.6478	2.2068	12.2228	0.0005	0.0032
ENSG00000041353	RAB27B	RAB27B, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9767]	protein coding	-0.6477	2.3313	8.2280	0.0041	0.0179
ENSG00000105355	PLIN3	perilipin 3 [Source:HGNC Symbol;Acc:HGNC:16893]	protein coding	0.6473	5.5735	24.6421	<0.0001	<0.0001
ENSG00000203965	EFCAB7	EF-hand calcium binding domain 7 [Source:HGNC Symbol;Acc:HGNC:29379]	protein coding	-0.6473	1.2607	9.1346	0.0025	0.0121
ENSG00000133193	FAM104A	family with sequence similarity 104 member A [Source:HGNC Symbol;Acc:HGNC:25918]	protein coding	-0.6473	3.8411	18.2400	<0.0001	0.0003

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000170921	TANC2	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2 [Source:HGNC Symbol;Acc:HGNC:30212]	protein coding	-0.6471	3.1589	17.4987	<0.0001	0.0004
ENSG00000105879	CBLL1	Cbl proto-oncogene like 1 [Source:HGNC Symbol;Acc:HGNC:21225]	protein coding	-0.6467	5.6161	13.3116	0.0003	0.0021
ENSG00000166479	TMX3	thioredoxin related transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:24718]	protein coding	-0.6467	5.1074	17.1523	<0.0001	0.0004
ENSG00000160209	PDXK	pyridoxal kinase [Source:HGNC Symbol;Acc:HGNC:8819]	protein coding	0.6467	6.4090	33.6319	<0.0001	<0.0001
ENSG00000211728	TRBV5-6	T cell receptor beta variable 5-6 [Source:HGNC Symbol;Acc:HGNC:12223]	TR V gene	-0.6466	2.9869	7.8917	0.005	0.0207
ENSG00000092140	G2E3	G2/M-phase specific E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:20338]	protein coding	-0.6466	3.5244	14.5488	0.0001	0.0012
ENSG00000164120	HPGD	15-hydroxyprostaglandin dehydrogenase [Source:HGNC Symbol;Acc:HGNC:5154]	protein coding	-0.6464	3.5849	16.4933	<0.0001	0.0005
ENSG00000163659	TIPARP	TCDD inducible poly(ADP-ribose) polymerase [Source:HGNC Symbol;Acc:HGNC:23696]	protein coding	-0.6464	4.4750	12.3687	0.0004	0.0031
ENSG00000152944	MED21	mediator complex subunit 21 [Source:HGNC Symbol;Acc:HGNC:11473]	protein coding	-0.6464	3.4938	15.4900	<0.0001	0.0008
ENSG00000274922		novel transcript	lncRNA	0.6461	2.4719	12.0977	0.0005	0.0034
ENSG00000132950	ZMYM5	zinc finger MYM-type containing 5 [Source:HGNC Symbol;Acc:HGNC:13029]	protein coding	-0.6456	4.0957	19.2687	<0.0001	0.0002
ENSG00000213079	SCAF8	SR-related CTD associated factor 8 [Source:HGNC Symbol;Acc:HGNC:20959]	protein coding	-0.6451	5.3066	29.7294	<0.0001	<0.0001
ENSG00000153201	RANBP2	RAN binding protein 2 [Source:HGNC Symbol;Acc:HGNC:9848]	protein coding	-0.6448	5.8660	28.1020	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000167711	SERPINF2	serpin family F member 2 [Source:HGNC Symbol;Acc:HGNC:9075]	protein coding	0.6446	1.5661	9.0288	0.0027	0.0127
ENSG00000244682	FCGR2C	Fc fragment of IgG receptor IIc (gene/pseudo-gene) [Source:HGNC Symbol;Acc:HGNC:15626]	polymorphic pseudo-gene	0.6446	4.3496	10.3312	0.0013	0.0072
ENSG00000130304	SLC27A1	solute carrier family 27 member 1 [Source:HGNC Symbol;Acc:HGNC:10995]	protein coding	0.6443	4.0097	18.1805	<0.0001	0.0003
ENSG00000178917	ZNF852	zinc finger protein 852 [Source:HGNC Symbol;Acc:HGNC:27713]	protein coding	-0.6439	2.1556	8.9323	0.0028	0.0132
ENSG00000168813	ZNF507	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	protein coding	-0.6437	4.7177	25.7263	<0.0001	<0.0001
ENSG00000197056	ZMYM1	zinc finger MYM-type containing 1 [Source:HGNC Symbol;Acc:HGNC:26253]	protein coding	-0.6436	2.9464	13.8990	0.0002	0.0016
ENSG00000244459		novel transcript	lncRNA	0.6434	2.5776	11.2574	0.0008	0.0049
ENSG00000163818	LZTFL1	leucine zipper transcription factor like 1 [Source:HGNC Symbol;Acc:HGNC:6741]	protein coding	-0.6432	3.1658	13.2320	0.0003	0.0021
ENSG00000138795	LEF1	lymphoid enhancer binding factor 1 [Source:HGNC Symbol;Acc:HGNC:6551]	protein coding	-0.6431	8.4750	20.4919	<0.0001	0.0001
ENSG00000231752	EMBP1	embigin pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:38661]	transcribed unprocessed pseudo-gene	-0.6426	1.6916	7.2619	0.007	0.0272
ENSG00000048991	R3HDM1	R3H domain containing 1 [Source:HGNC Symbol;Acc:HGNC:9757]	protein coding	-0.6426	5.2143	25.0308	<0.0001	<0.0001
ENSG00000174944	P2RY14	purinergic receptor P2Y14 [Source:HGNC Symbol;Acc:HGNC:16442]	protein coding	-0.6419	2.1986	10.4514	0.0012	0.0068

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000082397	EPB41L3	erythrocyte membrane protein band 4.1 like 3 [Source:HGNC Symbol;Acc:HGNC:3380]	protein coding	0.6418	3.9341	8.5285	0.0035	0.0158
ENSG00000196670	ZFP62	ZFP62 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:23241]	protein coding	-0.6417	4.8208	24.1529	<0.0001	<0.0001
ENSG00000135218	CD36	CD36 molecule [Source:HGNC Symbol;Acc:HGNC:1663]	protein coding	0.6416	6.0601	20.3948	<0.0001	0.0001
ENSG00000015171	ZMYND11	zinc finger MYND-type containing 11 [Source:HGNC Symbol;Acc:HGNC:16966]	protein coding	-0.6416	5.2707	21.0799	<0.0001	<0.0001
ENSG00000174744	BRMS1	BRMS1 transcriptional repressor and anoikis regulator [Source:HGNC Symbol;Acc:HGNC:17262]	protein coding	0.6416	6.4162	30.7632	<0.0001	<0.0001
ENSG00000144118	RALB	RAS like proto-oncogene B [Source:HGNC Symbol;Acc:HGNC:9840]	protein coding	0.6416	6.7285	16.0038	<0.0001	0.0007
ENSG00000164236	ANKRD33B	ankyrin repeat domain 33B [Source:HGNC Symbol;Acc:HGNC:35240]	protein coding	-0.6415	2.6682	12.9980	0.0003	0.0023
ENSG00000177096	PHETA2	PH domain containing endocytic trafficking adaptor 2 [Source:HGNC Symbol;Acc:HGNC:27161]	protein coding	0.6412	2.1085	10.4007	0.0013	0.007
ENSG00000162959	MEMO1	mediator of cell motility 1 [Source:HGNC Symbol;Acc:HGNC:14014]	protein coding	0.6408	3.5882	12.2390	0.0005	0.0032
ENSG00000122707	RECK	reversion inducing cysteine rich protein with kazal motifs [Source:HGNC Symbol;Acc:HGNC:11345]	protein coding	-0.6406	3.3042	19.8485	<0.0001	0.0001
ENSG00000107854	TNKS2	tankyrase 2 [Source:HGNC Symbol;Acc:HGNC:15677]	protein coding	-0.6403	5.6869	29.6430	<0.0001	<0.0001
ENSG00000123146	ADGRE5	adhesion G protein-coupled receptor E5 [Source:HGNC Symbol;Acc:HGNC:1711]	protein coding	0.6403	9.1373	20.7683	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000196544	BORCS6	BLOC-1 related complex subunit 6 [Source:HGNC Symbol;Acc:HGNC:25939]	protein coding	0.6400	4.2283	22.4663	<0.0001	<0.0001
ENSG00000158691	ZSCAN12	zinc finger and SCAN domain containing 12 [Source:HGNC Symbol;Acc:HGNC:13172]	protein coding	-0.6394	3.4271	21.9679	<0.0001	<0.0001
ENSG00000130147	SH3BP4	SH3 domain binding protein 4 [Source:HGNC Symbol;Acc:HGNC:10826]	protein coding	-0.6392	1.7568	6.8487	0.0089	0.0327
ENSG00000121552	CSTA	cystatin A [Source:HGNC Symbol;Acc:HGNC:2481]	protein coding	0.6391	5.6669	18.0534	<0.0001	0.0003
ENSG00000064651	SLC12A2	solute carrier family 12 member 2 [Source:HGNC Symbol;Acc:HGNC:10911]	protein coding	-0.6389	3.1468	14.5508	0.0001	0.0012
ENSG00000105383	CD33	CD33 molecule [Source:HGNC Symbol;Acc:HGNC:1659]	protein coding	0.6388	4.8897	24.3775	<0.0001	<0.0001
ENSG00000134255	CEPT1	choline/ethanolamine phosphotransferase 1 [Source:HGNC Symbol;Acc:HGNC:24289]	protein coding	-0.6385	5.2134	21.7446	<0.0001	<0.0001
ENSG00000141504	SAT2	spermidine/spermine N1-acetyltransferase family member 2 [Source:HGNC Symbol;Acc:HGNC:23160]	protein coding	0.6384	5.7566	22.2875	<0.0001	<0.0001
ENSG00000138166	DUSP5	dual specificity phosphatase 5 [Source:HGNC Symbol;Acc:HGNC:3071]	protein coding	0.6383	4.1175	15.6755	<0.0001	0.0008
ENSG00000249915	PDCD6	programmed cell death 6 [Source:HGNC Symbol;Acc:HGNC:8765]	protein coding	-0.6382	1.2973	7.4543	0.0063	0.025
ENSG00000135974	C2orf49	chromosome 2 open reading frame 49 [Source:HGNC Symbol;Acc:HGNC:28772]	protein coding	-0.6380	4.2652	22.2067	<0.0001	<0.0001
ENSG00000183401	CCDC159	coiled-coil domain containing 159 [Source:HGNC Symbol;Acc:HGNC:26996]	protein coding	0.6371	5.0290	25.8009	<0.0001	<0.0001
ENSG00000150093	ITGB1	integrin subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:6153]	protein coding	-0.6369	6.1909	25.4399	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000143971	ETAA1	ETAA1 activator of ATR kinase [Source:HGNC Symbol;Acc:HGNC:24648]	protein coding	-0.6369	3.3943	14.5807	0.0001	0.0012
ENSG00000142794	NBPF3	NBPF member 3 [Source:HGNC Symbol;Acc:HGNC:25076]	protein coding	-0.6368	2.5006	13.1485	0.0003	0.0022
ENSG00000159720	ATP6V0D1	ATPase H ⁺ transporting V0 subunit d1 [Source:HGNC Symbol;Acc:HGNC:13724]	protein coding	0.6367	6.9154	27.4616	<0.0001	<0.0001
ENSG00000011258	MBTD1	mbt domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19866]	protein coding	-0.6365	4.5689	23.4785	<0.0001	<0.0001
ENSG00000236060	HSPB1P1	heat shock protein family B (small) member 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:5251]	processed pseudo-gene	0.6362	2.9451	12.7135	0.0004	0.0026
ENSG00000204388	HSPA1B	heat shock protein family A (Hsp70) member 1B [Source:HGNC Symbol;Acc:HGNC:5233]	protein coding	0.6362	2.4813	7.6230	0.0058	0.0233
ENSG00000175322	ZNF519	zinc finger protein 519 [Source:HGNC Symbol;Acc:HGNC:30574]	protein coding	-0.6361	1.2924	11.6049	0.0007	0.0042
ENSG00000170185	USP38	ubiquitin specific peptidase 38 [Source:HGNC Symbol;Acc:HGNC:20067]	protein coding	-0.6359	4.9586	17.8212	<0.0001	0.0003
ENSG00000136021	SCYL2	SCY1 like pseudokinase 2 [Source:HGNC Symbol;Acc:HGNC:19286]	protein coding	-0.6352	4.7601	24.3687	<0.0001	<0.0001
ENSG00000148737	TCF7L2	transcription factor 7 like 2 [Source:HGNC Symbol;Acc:HGNC:11641]	protein coding	0.6350	4.1284	15.0322	0.0001	0.001
ENSG00000135837	CEP350	centrosomal protein 350 [Source:HGNC Symbol;Acc:HGNC:24238]	protein coding	-0.6348	5.8967	18.2893	<0.0001	0.0003
ENSG00000001629	ANKIB1	ankyrin repeat and IBR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:22215]	protein coding	-0.6348	5.0854	22.8296	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211658	IGLV3-27	immunoglobulin lambda variable 3-27 [Source:HGNC Symbol;Acc:HGNC:5910]	IG V gene	-0.6347	1.9266	11.5246	0.0007	0.0043
ENSG00000265273	PGDP1	phosphogluconate dehydrogenase pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:8892]	processed pseudo-gene	0.6347	2.5377	9.5762	0.002	0.0099
ENSG00000179454	KLHL28	kelch like family member 28 [Source:HGNC Symbol;Acc:HGNC:19741]	protein coding	-0.6344	3.7217	16.9156	<0.0001	0.0005
ENSG00000082293	COL19A1	collagen type XIX alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2196]	protein coding	-0.6344	2.2566	6.4624	0.011	0.0388
ENSG00000014914	MTMR11	myotubularin related protein 11 [Source:HGNC Symbol;Acc:HGNC:24307]	protein coding	0.6343	4.1927	16.5112	<0.0001	0.0005
ENSG00000074695	LMAN1	lectin, mannose binding 1 [Source:HGNC Symbol;Acc:HGNC:6631]	protein coding	-0.6342	5.0533	22.2671	<0.0001	<0.0001
ENSG00000112282	MED23	mediator complex subunit 23 [Source:HGNC Symbol;Acc:HGNC:2372]	protein coding	-0.6338	4.7902	22.6330	<0.0001	<0.0001
ENSG00000196636	SDHAF3	succinate dehydrogenase complex assembly factor 3 [Source:HGNC Symbol;Acc:HGNC:21752]	protein coding	-0.6334	3.8214	7.5446	0.006	0.0241
ENSG00000136152	COG3	component of oligomeric golgi complex 3 [Source:HGNC Symbol;Acc:HGNC:18619]	protein coding	-0.6334	4.6214	22.4639	<0.0001	<0.0001
ENSG00000198853	RUSC2	RUN and SH3 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23625]	protein coding	0.6334	2.2311	13.7109	0.0002	0.0017
ENSG00000159256	MORC3	MORC family CW-type zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:23572]	protein coding	-0.6334	5.4310	25.3598	<0.0001	<0.0001
ENSG00000239883	PARGP1	poly(ADP-ribose) glycohydrolase pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:45008]	transcribed unprocessed pseudo-gene	-0.6333	1.7733	7.0062	0.0081	0.0305

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000116260	QSOX1	quiescin sulphydryl oxidase 1 [Source:HGNC Symbol;Acc:HGNC:9756]	protein coding	0.6332	5.4555	24.3315	<0.0001	<0.0001
ENSG00000120370	GORAB	golgin, RAB6 interacting [Source:HGNC Symbol;Acc:HGNC:25676]	protein coding	-0.6331	3.4173	11.6171	0.0007	0.0042
ENSG00000091490	SEL1L3	SEL1L family member 3 [Source:HGNC Symbol;Acc:HGNC:29108]	protein coding	-0.6329	5.7891	16.5919	<0.0001	0.0005
ENSG00000155366	RHOC	ras homolog family member C [Source:HGNC Symbol;Acc:HGNC:669]	protein coding	0.6329	5.6654	29.6112	<0.0001	<0.0001
ENSG00000280411	IGHV1-69D	immunoglobulin heavy variable 1-69D [Source:HGNC Symbol;Acc:HGNC:49601]	IG V gene	-0.6325	4.1560	12.0180	0.0005	0.0035
ENSG00000170242	USP47	ubiquitin specific peptidase 47 [Source:HGNC Symbol;Acc:HGNC:20076]	protein coding	-0.6324	5.2625	16.4049	<0.0001	0.0006
ENSG00000177683	THAP5	THAP domain containing 5 [Source:HGNC Symbol;Acc:HGNC:23188]	protein coding	-0.6322	4.2938	20.2122	<0.0001	0.0001
ENSG00000164830	OXR1	oxidation resistance 1 [Source:HGNC Symbol;Acc:HGNC:15822]	protein coding	-0.6321	4.1971	18.3681	<0.0001	0.0002
ENSG00000140743	CDR2	cerebellar degeneration related protein 2 [Source:HGNC Symbol;Acc:HGNC:1799]	protein coding	-0.6319	5.7712	16.5081	<0.0001	0.0005
ENSG00000240137	ERICH6-AS1	ERICH6 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:41205]	lncRNA	-0.6318	1.5934	10.4057	0.0013	0.0069
ENSG00000151726	ACSL1	acyl-CoA synthetase long chain family member 1 [Source:HGNC Symbol;Acc:HGNC:3569]	protein coding	0.6316	5.3148	11.0603	0.0009	0.0053
ENSG00000118496	FBXO30	F-box protein 30 [Source:HGNC Symbol;Acc:HGNC:15600]	protein coding	-0.6315	3.6162	16.8865	<0.0001	0.0005
ENSG00000276023	DUSP14	dual specificity phosphatase 14 [Source:HGNC Symbol;Acc:HGNC:17007]	protein coding	-0.6313	2.7111	12.3287	0.0004	0.0031

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000261596		novel transcript, sense intronic to METTL9	lncRNA	0.6313	1.6083	10.1884	0.0014	0.0076
ENSG00000196724	ZNF418	zinc finger protein 418 [Source:HGNC Symbol;Acc:HGNC:20647]	protein coding	-0.6312	2.6593	9.9743	0.0016	0.0084
ENSG00000243988	RPS24P17	ribosomal protein S24 pseudo-gene 17 [Source:HGNC Symbol;Acc:HGNC:36348]	processed pseudo-gene	0.6312	5.1348	9.3102	0.0023	0.0112
ENSG00000100564	PIGH	phosphatidylinositol glycan anchor biosynthesis class H [Source:HGNC Symbol;Acc:HGNC:8964]	protein coding	-0.6309	3.3648	13.5333	0.0002	0.0019
ENSG00000089123	TASP1	taspase 1 [Source:HGNC Symbol;Acc:HGNC:15859]	protein coding	-0.6307	2.3783	8.4890	0.0036	0.0161
ENSG00000163785	RYK	receptor like tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:10481]	protein coding	-0.6306	4.4079	25.6482	<0.0001	<0.0001
ENSG00000205105	COX17P1	COX17 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:24341]	processed pseudo-gene	0.6305	2.3320	11.3140	0.0008	0.0048
ENSG00000134242	PTPN22	protein tyrosine phosphatase non-receptor type 22 [Source:HGNC Symbol;Acc:HGNC:9652]	protein coding	-0.6303	5.0205	21.8074	<0.0001	<0.0001
ENSG00000075975	MKRN2	makorin ring finger protein 2 [Source:HGNC Symbol;Acc:HGNC:7113]	protein coding	-0.6303	4.6689	12.9603	0.0003	0.0024
ENSG00000163558	PRKCI	protein kinase C iota [Source:HGNC Symbol;Acc:HGNC:9404]	protein coding	-0.6301	2.9182	12.3755	0.0004	0.0031
ENSG00000198585	NUDT16	nudix hydrolase 16 [Source:HGNC Symbol;Acc:HGNC:26442]	protein coding	0.6301	4.8180	20.9463	<0.0001	<0.0001
ENSG00000214832	UPF3AP2	UPF3A pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:30567]	transcribed processed pseudo-gene	0.6301	1.2133	10.2276	0.0014	0.0075
ENSG00000241666		novel transcript	lncRNA	0.6299	2.8068	10.7071	0.0011	0.0061

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000167173	C15orf39	chromosome 15 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:24497]	protein coding	0.6298	6.3731	21.3248	<0.0001	<0.0001
ENSG00000254004	ZNF260	zinc finger protein 260 [Source:HGNC Symbol;Acc:HGNC:13499]	protein coding	-0.6298	3.6940	17.3620	<0.0001	0.0004
ENSG00000176749	CDK5R1	cyclin dependent kinase 5 regulatory subunit 1 [Source:HGNC Symbol;Acc:HGNC:1775]	protein coding	-0.6295	3.4422	7.8694	0.005	0.0209
ENSG00000175155	YPEL2	yippee like 2 [Source:HGNC Symbol;Acc:HGNC:18326]	protein coding	-0.6292	4.3935	23.0517	<0.0001	<0.0001
ENSG00000141446	ESCO1	establishment of sister chromatid cohesion N-acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:24645]	protein coding	-0.6291	4.5742	24.5847	<0.0001	<0.0001
ENSG00000181690	PLAG1	PLAG1 zinc finger [Source:HGNC Symbol;Acc:HGNC:9045]	protein coding	-0.6291	3.6998	19.1914	<0.0001	0.0002
ENSG00000204524	ZNF805	zinc finger protein 805 [Source:HGNC Symbol;Acc:HGNC:23272]	protein coding	-0.6291	2.9127	13.9336	0.0002	0.0016
ENSG00000258682		novel transcript, sense overlapping PSMA3	lncRNA	0.6288	2.5290	7.2542	0.0071	0.0273
ENSG00000107281	NPDC1	neural proliferation, differentiation and control 1 [Source:HGNC Symbol;Acc:HGNC:7899]	protein coding	0.6286	2.7579	10.4352	0.0012	0.0069
ENSG00000071073	MGAT4A	alpha-1,3-mannosyl-4-beta-N-acetylglucosaminyltransferase A [Source:HGNC Symbol;Acc:HGNC:7047]	protein coding	-0.6285	6.6967	26.9390	<0.0001	<0.0001
ENSG00000112394	SLC16A10	solute carrier family 16 member 10 [Source:HGNC Symbol;Acc:HGNC:17027]	protein coding	-0.6283	3.9281	17.9921	<0.0001	0.0003
ENSG00000211771	TRBJ2-7	T cell receptor beta joining 2-7 [Source:HGNC Symbol;Acc:HGNC:12175]	TR J gene	-0.6281	2.2757	8.5375	0.0035	0.0157
ENSG00000063245	EPN1	epsin 1 [Source:HGNC Symbol;Acc:HGNC:21604]	protein coding	0.6279	6.3463	28.1936	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000131236	CAP1	cyclase associated actin cytoskeleton regulatory protein 1 [Source:HGNC Symbol;Acc:HGNC:20040]	protein coding	-0.6278	6.5952	12.0011	0.0005	0.0035
ENSG00000159884	CCDC107	coiled-coil domain containing 107 [Source:HGNC Symbol;Acc:HGNC:28465]	protein coding	-0.6276	1.4153	7.2125	0.0072	0.0278
ENSG00000167207	NOD2	nucleotide binding oligomerization domain containing 2 [Source:HGNC Symbol;Acc:HGNC:5331]	protein coding	0.6276	4.0043	10.0963	0.0015	0.0079
ENSG00000154310	TNIK	TRAF2 and NCK interacting kinase [Source:HGNC Symbol;Acc:HGNC:30765]	protein coding	-0.6272	5.2825	29.3506	<0.0001	<0.0001
ENSG00000108771	DHX58	DEH-box helicase 58 [Source:HGNC Symbol;Acc:HGNC:29517]	protein coding	0.6270	5.8056	7.5162	0.0061	0.0244
ENSG00000113838	TBCCD1	TBCC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25546]	protein coding	-0.6268	3.3634	16.6729	<0.0001	0.0005
ENSG00000254415	SIGLEC14	sialic acid binding Ig like lectin 14 [Source:HGNC Symbol;Acc:HGNC:32926]	protein coding	0.6267	4.8571	8.2546	0.0041	0.0178
ENSG00000106692	FKTN	fukutin [Source:HGNC Symbol;Acc:HGNC:3622]	protein coding	-0.6266	2.8322	13.3098	0.0003	0.0021
ENSG00000138780	GSTCD	glutathione S-transferase C-terminal domain containing [Source:HGNC Symbol;Acc:HGNC:25806]	protein coding	-0.6264	1.8557	8.8390	0.0029	0.0138
ENSG00000148429	USP6NL	USP6 N-terminal like [Source:HGNC Symbol;Acc:HGNC:16858]	protein coding	-0.6261	4.5207	19.7542	<0.0001	0.0001
ENSG00000005812	FBXL3	F-box and leucine rich repeat protein 3 [Source:HGNC Symbol;Acc:HGNC:13599]	protein coding	-0.6261	5.1146	26.5942	<0.0001	<0.0001
ENSG00000142731	PLK4	polo like kinase 4 [Source:HGNC Symbol;Acc:HGNC:11397]	protein coding	-0.6261	1.7164	9.0153	0.0027	0.0127

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000181450	ZNF678	zinc finger protein 678 [Source:HGNC bol;Acc:HGNC:28652]	protein Sym- coding	-0.6259	2.9134	14.4613	0.0001	0.0013
ENSG00000074071	MRPS34	mitochondrial ribosomal protein S34 [Source:HGNC bol;Acc:HGNC:16618]	protein Sym- coding	0.6256	6.2709	24.2721	<0.0001	<0.0001
ENSG00000120063	GNA13	G protein subunit 13 [Source:HGNC bol;Acc:HGNC:4381]	protein Sym- coding	-0.6255	6.6571	19.3185	<0.0001	0.0002
ENSG00000108510	MED13	mediator complex subunit 13 [Source:HGNC bol;Acc:HGNC:22474]	protein Sym- coding	-0.6243	5.6623	24.5777	<0.0001	<0.0001
ENSG00000103489	XYLT1	xylosyltransferase 1 [Source:HGNC bol;Acc:HGNC:15516]	protein Sym- coding	-0.6243	4.9337	28.1800	<0.0001	<0.0001
ENSG00000163521	GLB1L	galactosidase beta 1 like [Source:HGNC bol;Acc:HGNC:28129]	protein Sym- coding	0.6242	1.7145	9.0942	0.0026	0.0123
ENSG00000120686	UFM1	ubiquitin fold modifier 1 [Source:HGNC bol;Acc:HGNC:20597]	protein Sym- coding	-0.6240	5.0576	24.9188	<0.0001	<0.0001
ENSG00000228118	MYL6P5	myosin light chain 6 pseudo-gene 5 [Source:HGNC bol;Acc:HGNC:51646]	processed pseudo- gene	0.6240	3.7093	10.7119	0.0011	0.0061
ENSG00000231333	RPL34P6	ribosomal protein L34 pseudo-gene 6 [Source:HGNC bol;Acc:HGNC:35810]	processed pseudo- gene	0.6239	3.4504	8.3990	0.0038	0.0167
ENSG00000101665	SMAD7	SMAD family member 7 [Source:HGNC bol;Acc:HGNC:6773]	protein Sym- coding	-0.6238	3.7871	18.9296	<0.0001	0.0002
ENSG00000107669	ATE1	arginyltransferase 1 [Source:HGNC bol;Acc:HGNC:782]	protein Sym- coding	-0.6233	4.2515	19.1401	<0.0001	0.0002
ENSG00000174839	DENND6A	DENN domain containing 6A [Source:HGNC bol;Acc:HGNC:26635]	protein Sym- coding	-0.6229	4.6088	21.9745	<0.0001	<0.0001
ENSG00000118454	ANKRD13C	ankyrin repeat domain 13C [Source:HGNC bol;Acc:HGNC:25374]	protein Sym- coding	-0.6229	3.9917	21.0372	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000168228	ZCCHC4	zinc finger CCHC-type containing 4 [Source:HGNC Symbol;Acc:HGNC:22917]	protein coding	-0.6227	2.8186	13.5955	0.0002	0.0018
ENSG00000072954	TMEM38A	transmembrane 38A [Source:HGNC Symbol;Acc:HGNC:28462]	protein coding	0.6225	2.5586	6.3211	0.0119	0.0414
ENSG00000242208	RPL5P29	ribosomal protein L5 pseudo-gene 29 [Source:HGNC Symbol;Acc:HGNC:36335]	processed pseudo-gene	-0.6224	3.8136	6.2785	0.0122	0.0421
ENSG00000211699	TRGV3	T cell receptor gamma variable 3 [Source:HGNC Symbol;Acc:HGNC:12288]	TR V gene	-0.6224	2.3614	12.8215	0.0003	0.0025
ENSG00000109756	RAPGEF2	Rap guanine nucleotide exchange factor 2 [Source:HGNC Symbol;Acc:HGNC:16854]	protein coding	-0.6223	3.5155	16.6271	<0.0001	0.0005
ENSG00000166750	SLFN5	schlafen family member 5 [Source:HGNC Symbol;Acc:HGNC:28286]	protein coding	-0.6223	7.9277	19.5176	<0.0001	0.0002
ENSG00000048052	HDAC9	histone deacetylase 9 [Source:HGNC Symbol;Acc:HGNC:14065]	protein coding	-0.6222	4.1729	22.3555	<0.0001	<0.0001
ENSG00000225131	PSME2P2	proteasome activator subunit 2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:30160]	processed pseudo-gene	0.6220	4.3358	13.5735	0.0002	0.0018
ENSG00000153989	NUS1	NUS1 dehydrodolichyl diphosphate synthase subunit [Source:HGNC Symbol;Acc:HGNC:21042]	protein coding	-0.6220	4.9649	15.3677	<0.0001	0.0009
ENSG00000115325	DOK1	docking protein 1 [Source:HGNC Symbol;Acc:HGNC:2990]	protein coding	0.6218	5.7031	27.4740	<0.0001	<0.0001
ENSG00000211935	IGHV1-3	immunoglobulin heavy variable 1-3 [Source:HGNC Symbol;Acc:HGNC:5552]	IG V gene	-0.6218	4.0438	12.2245	0.0005	0.0032
ENSG00000163932	PRKCD	protein kinase C delta [Source:HGNC Symbol;Acc:HGNC:9399]	protein coding	0.6218	6.6969	24.5871	<0.0001	<0.0001
ENSG00000170802	FOXP2	forkhead box N2 [Source:HGNC Symbol;Acc:HGNC:5281]	protein coding	-0.6217	4.7621	17.8695	<0.0001	0.0003

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000183023	SLC8A1	solute carrier family 8 member A1 [Source:HGNC Symbol;Acc:HGNC:11068]	protein coding	0.6215	3.3165	9.9995	0.0016	0.0083
ENSG00000174500	GCSAM	germinal center associated signaling and motility [Source:HGNC Symbol;Acc:HGNC:20253]	protein coding	-0.6213	4.6835	14.0268	0.0002	0.0015
ENSG00000128915	ICE2	interactor of little elongation complex ELL subunit 2 [Source:HGNC Symbol;Acc:HGNC:29885]	protein coding	-0.6210	5.2444	29.1640	<0.0001	<0.0001
ENSG00000032444	PNPLA6	patatin like phospholipase domain containing 6 [Source:HGNC Symbol;Acc:HGNC:16268]	protein coding	0.6205	6.7810	20.7872	<0.0001	<0.0001
ENSG00000213190	MLLT11	MLLT11 transcription factor 7 cofactor [Source:HGNC Symbol;Acc:HGNC:16997]	protein coding	-0.6205	2.8283	16.6100	<0.0001	0.0005
ENSG00000165650	PDZD8	PDZ domain containing 8 [Source:HGNC Symbol;Acc:HGNC:26974]	protein coding	-0.6205	3.8316	20.9323	<0.0001	<0.0001
ENSG00000152518	ZFP36L2	ZFP36 ring finger protein like 2 [Source:HGNC Symbol;Acc:HGNC:1108]	protein coding	-0.6204	8.1031	23.2687	<0.0001	<0.0001
ENSG00000167565	SERTAD3	SERTA domain containing 3 [Source:HGNC Symbol;Acc:HGNC:17931]	protein coding	0.6204	5.2557	20.5336	<0.0001	<0.0001
ENSG00000271605	MILR1	mast cell immunoglobulin like receptor 1 [Source:HGNC Symbol;Acc:HGNC:27570]	protein coding	0.6203	4.0232	14.2707	0.0002	0.0014
ENSG00000138964	PARVG	parvin gamma [Source:HGNC Symbol;Acc:HGNC:14654]	protein coding	0.6203	6.8906	18.2915	<0.0001	0.0003
ENSG00000198252	STYX	serine/threonine/tyrosine interacting protein [Source:HGNC Symbol;Acc:HGNC:11447]	protein coding	-0.6203	4.8712	22.6190	<0.0001	<0.0001
ENSG00000166263	STXBP4	syntaxin binding protein 4 [Source:HGNC Symbol;Acc:HGNC:19694]	protein coding	-0.6203	1.5115	8.7438	0.0031	0.0144
ENSG00000157450	RNF111	ring finger protein 111 [Source:HGNC Symbol;Acc:HGNC:17384]	protein coding	-0.6199	4.5919	25.9564	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000276168	RN7SL1	RNA component of signal recognition particle 7SL1 [Source:HGNC Symbol;Acc:HGNC:10038]	misc RNA	0.6197	8.6705	9.2903	0.0023	0.0112
ENSG00000149591	TAGLN	transgelin [Source:HGNC Symbol;Acc:HGNC:11553]	protein coding	0.6194	3.2256	14.0528	0.0002	0.0015
ENSG00000177556	ATOX1	antioxidant 1 copper chaperone [Source:HGNC Symbol;Acc:HGNC:798]	protein coding	0.6194	4.6549	24.4947	<0.0001	<0.0001
ENSG00000249437	NAIP	NLR family apoptosis inhibitory protein [Source:HGNC Symbol;Acc:HGNC:7634]	protein coding	0.6193	3.4281	13.1683	0.0003	0.0022
ENSG00000137267	TUBB2A	tubulin beta 2A class IIa [Source:HGNC Symbol;Acc:HGNC:12412]	protein coding	0.6192	1.6830	6.8245	0.009	0.0331
ENSG00000125810	CD93	CD93 molecule [Source:HGNC Symbol;Acc:HGNC:15855]	protein coding	0.6189	5.8890	18.4176	<0.0001	0.0002
ENSG00000197782	ZNF780A	zinc finger protein 780A [Source:HGNC Symbol;Acc:HGNC:27603]	protein coding	-0.6187	3.7061	18.5441	<0.0001	0.0002
ENSG00000164151	ICE1	interactor of little elongation complex ELL subunit 1 [Source:HGNC Symbol;Acc:HGNC:29154]	protein coding	-0.6185	5.3348	24.7121	<0.0001	<0.0001
ENSG00000282851	BISPR	BST2 interferon stimulated positive regulator [Source:HGNC Symbol;Acc:HGNC:51290]	lncRNA	0.6184	4.5503	8.3163	0.0039	0.0173
ENSG00000105699	LSR	lipolysis stimulated lipoprotein receptor [Source:HGNC Symbol;Acc:HGNC:29572]	protein coding	-0.6181	2.2936	12.7639	0.0004	0.0026
ENSG00000257027		novel transcript	lncRNA	-0.6177	3.3914	19.9203	<0.0001	0.0001
ENSG00000138660	APIAR	adaptor related protein complex 1 associated regulatory protein [Source:HGNC Symbol;Acc:HGNC:28808]	protein coding	-0.6176	3.7979	17.5666	<0.0001	0.0003
ENSG00000113658	SMAD5	SMAD family member 5 [Source:HGNC Symbol;Acc:HGNC:6771]	protein coding	-0.6176	3.3398	12.0477	0.0005	0.0035

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000143702	CEP170	centrosomal protein 170 [Source:HGNC Symbol;Acc:HGNC:28920]	protein coding	-0.6176	3.3973	19.6224	<0.0001	0.0001
ENSG00000117036	ETV3	ETS variant transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:3492]	protein coding	-0.6173	4.5401	18.5198	<0.0001	0.0002
ENSG00000138767	CNOT6L	CCR4-NOT transcription complex subunit 6 like [Source:HGNC Symbol;Acc:HGNC:18042]	protein coding	-0.6172	6.5250	20.9534	<0.0001	<0.0001
ENSG00000280138		novel transcript	TEC	0.6172	2.4715	10.1319	0.0015	0.0078
ENSG00000054277	OPN3	opsin 3 [Source:HGNC Symbol;Acc:HGNC:14007]	protein coding	-0.6166	2.3940	7.3504	0.0067	0.0262
ENSG00000010626	LRRC23	leucine rich repeat containing 23 [Source:HGNC Symbol;Acc:HGNC:19138]	protein coding	0.6163	2.0549	12.2384	0.0005	0.0032
ENSG00000175550	DRAP1	DR1 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:3019]	protein coding	0.6162	7.4937	15.8228	<0.0001	0.0007
ENSG00000185246	PRPF39	pre-mRNA processing factor 39 [Source:HGNC Symbol;Acc:HGNC:20314]	protein coding	-0.6162	4.7654	19.2256	<0.0001	0.0002
ENSG00000143324	XPR1	xenotropic and polytropic retrovirus receptor 1 [Source:HGNC Symbol;Acc:HGNC:12827]	protein coding	-0.6159	3.8595	21.0305	<0.0001	<0.0001
ENSG00000150764	DIXDC1	DIX domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23695]	protein coding	-0.6158	1.9223	8.5532	0.0034	0.0156
ENSG00000278974		tec	TEC	0.6155	1.9877	11.3016	0.0008	0.0048
ENSG00000198734	F5	coagulation factor V [Source:HGNC Symbol;Acc:HGNC:3542]	protein coding	0.6155	3.3748	14.6517	0.0001	0.0012
ENSG00000079691	CARMIL1	capping protein regulator and myosin 1 linker 1 [Source:HGNC Symbol;Acc:HGNC:21581]	protein coding	-0.6155	3.7508	9.6611	0.0019	0.0095
ENSG00000134030	CTIF	cap binding complex dependent translation initiation factor [Source:HGNC Symbol;Acc:HGNC:23925]	protein coding	0.6153	3.0194	18.0333	<0.0001	0.0003

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000163281	GNPDA2	glucosamine-6-phosphate deaminase 2 [Source:HGNC Symbol;Acc:HGNC:21526]	protein coding	-0.6153	3.1765	7.6099	0.0058	0.0234
ENSG00000277161	PIGW	phosphatidylinositol anchor biosynthesis class W [Source:HGNC Symbol;Acc:HGNC:23213]	protein coding	-0.6152	2.6706	7.8711	0.005	0.0209
ENSG00000087053	MTMR2	myotubularin related protein 2 [Source:HGNC Symbol;Acc:HGNC:7450]	protein coding	-0.6150	4.1252	14.7801	0.0001	0.0011
ENSG00000104518	GSDMD	gasdermin D [Source:HGNC Symbol;Acc:HGNC:25697]	protein coding	0.6149	6.6665	11.9091	0.0006	0.0037
ENSG00000151687	ANKAR	ankyrin and armadillo repeat containing [Source:HGNC Symbol;Acc:HGNC:26350]	protein coding	-0.6148	1.9118	10.1223	0.0015	0.0078
ENSG00000186448	ZNF197	zinc finger protein 197 [Source:HGNC Symbol;Acc:HGNC:12988]	protein coding	-0.6145	4.4033	19.5837	<0.0001	0.0001
ENSG00000224427		pseudogene similar to part of ribosomal protein L10 (RPL10)	processed pseudo-gene	-0.6145	1.8328	8.2039	0.0042	0.0181
ENSG00000114120	SLC25A36	solute carrier family 25 member 36 [Source:HGNC Symbol;Acc:HGNC:25554]	protein coding	-0.6144	4.6858	23.3284	<0.0001	<0.0001
ENSG00000124813	RUNX2	RUNX family transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:10472]	protein coding	-0.6144	3.2064	18.9880	<0.0001	0.0002
ENSG00000118508	RAB32	RAB32, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9772]	protein coding	0.6142	5.6084	16.6130	<0.0001	0.0005
ENSG00000156017	CARNMT1	carnosine N-methyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:23435]	protein coding	-0.6141	3.5687	18.0505	<0.0001	0.0003
ENSG00000197019	SERTAD1	SERTA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:17932]	protein coding	0.6136	4.2072	20.7153	<0.0001	<0.0001
ENSG00000168685	IL7R	interleukin 7 receptor [Source:HGNC Symbol;Acc:HGNC:6024]	protein coding	-0.6136	9.9983	13.2924	0.0003	0.0021

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000000460	C1orf112	chromosome 1 open reading frame 112 [Source:HGNC Symbol;Acc:HGNC:25565]	protein coding	-0.6135	1.8026	9.1472	0.0025	0.012
ENSG00000226210	WASH8P	WAS protein family homolog 8, pseudogene [Source:HGNC Symbol;Acc:HGNC:53913]	unprocessed pseudo-gene	0.6133	3.8699	8.2896	0.004	0.0175
ENSG00000108854	SMURF2	SMAD specific E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:HGNC:16809]	protein coding	-0.6133	4.9881	27.2655	<0.0001	<0.0001
ENSG00000123124	WWP1	WW domain containing E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:17004]	protein coding	-0.6130	5.3878	24.6078	<0.0001	<0.0001
ENSG00000115760	BIRC6	baculoviral IAP repeat containing 6 [Source:HGNC Symbol;Acc:HGNC:13516]	protein coding	-0.6129	6.7884	18.7907	<0.0001	0.0002
ENSG00000136868	SLC31A1	solute carrier family 31 member 1 [Source:HGNC Symbol;Acc:HGNC:11016]	protein coding	0.6129	5.0781	21.7599	<0.0001	<0.0001
ENSG00000143815	LBR	lamin B receptor [Source:HGNC Symbol;Acc:HGNC:6518]	protein coding	-0.6126	6.8195	14.5278	0.0001	0.0012
ENSG00000211706	TRBV6-1	T cell receptor beta variable 6-1 [Source:HGNC Symbol;Acc:HGNC:12226]	TR V gene	-0.6125	3.1638	7.5257	0.0061	0.0243
ENSG00000106086	PLEKHA8	pleckstrin homology domain containing A8 [Source:HGNC Symbol;Acc:HGNC:30037]	protein coding	-0.6122	2.9392	13.2684	0.0003	0.0021
ENSG00000189060	H1-0	H1.0 linker histone [Source:HGNC Symbol;Acc:HGNC:4714]	protein coding	0.6121	4.6831	17.3166	<0.0001	0.0004
ENSG00000211764	TRBJ2-1	T cell receptor beta joining 2-1 [Source:HGNC Symbol;Acc:HGNC:12168]	TR J gene	-0.6120	2.1041	11.7717	0.0006	0.0039
ENSG00000205593	DENND6B	DENN domain containing 6B [Source:HGNC Symbol;Acc:HGNC:32690]	protein coding	0.6115	3.8310	20.5262	<0.0001	<0.0001
ENSG00000185909	KLHDC8B	kelch domain containing 8B [Source:HGNC Symbol;Acc:HGNC:28557]	protein coding	0.6114	2.5294	10.5470	0.0012	0.0066

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000109189	USP46	ubiquitin specific peptidase 46 [Source:HGNC Symbol;Acc:HGNC:20075]	protein coding	-0.6112	2.2921	14.4470	0.0001	0.0013
ENSG00000164209	SLC25A46	solute carrier family 25 member 46 [Source:HGNC Symbol;Acc:HGNC:25198]	protein coding	-0.6108	4.8875	13.5309	0.0002	0.0019
ENSG00000078747	ITCH	itchy E3 ubiquitin ligase [Source:HGNC Symbol;Acc:HGNC:13890]	protein coding	-0.6107	5.5318	19.0725	<0.0001	0.0002
ENSG00000156136	DCK	deoxycytidine kinase [Source:HGNC Symbol;Acc:HGNC:2704]	protein coding	-0.6105	5.6497	19.4140	<0.0001	0.0002
ENSG00000164292	RHOBTB3	Rho related BTB domain containing 3 [Source:HGNC Symbol;Acc:HGNC:18757]	protein coding	-0.6103	2.1662	8.2549	0.0041	0.0178
ENSG00000155313	USP25	ubiquitin specific peptidase 25 [Source:HGNC Symbol;Acc:HGNC:12624]	protein coding	-0.6101	5.5145	19.7095	<0.0001	0.0001
ENSG00000164168	TMEM184C	transmembrane protein 184C [Source:HGNC Symbol;Acc:HGNC:25587]	protein coding	-0.6099	4.5790	15.6243	<0.0001	0.0008
ENSG00000243466	IGKV1-5	immunoglobulin kappa variable 1-5 [Source:HGNC Symbol;Acc:HGNC:5741]	IG V gene	-0.6097	4.9587	7.2995	0.0069	0.0267
ENSG00000168944	CEP120	centrosomal protein 120 [Source:HGNC Symbol;Acc:HGNC:26690]	protein coding	-0.6096	4.9162	27.6347	<0.0001	<0.0001
ENSG00000114904	NEK4	NIMA related kinase 4 [Source:HGNC Symbol;Acc:HGNC:11399]	protein coding	-0.6095	3.5276	10.5431	0.0012	0.0066
ENSG00000139180	NDUFA9	NADH:ubiquinone oxidoreductase subunit A9 [Source:HGNC Symbol;Acc:HGNC:7693]	protein coding	0.6094	4.5820	21.1601	<0.0001	<0.0001
ENSG00000156162	DPY19L4	dpy-19 like 4 [Source:HGNC Symbol;Acc:HGNC:27829]	protein coding	-0.6093	2.3138	11.2907	0.0008	0.0048
ENSG00000155755	TMEM237	transmembrane protein 237 [Source:HGNC Symbol;Acc:HGNC:14432]	protein coding	-0.6092	1.3933	7.6907	0.0056	0.0226

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000206560	ANKRD28	ankyrin repeat domain 28 [Source:HGNC Sym- bol;Acc:HGNC:29024]	protein coding	-0.6092	4.2913	27.8469	<0.0001	<0.0001
ENSG00000155893	PXYLP1	2-phosphoxylose phosphatase 1 [Source:HGNC Sym- bol;Acc:HGNC:26303]	protein coding	-0.6092	3.9701	16.8337	<0.0001	0.0005
ENSG00000213949	ITGA1	integrin subunit alpha 1 [Source:HGNC Sym- bol;Acc:HGNC:6134]	protein coding	-0.6092	3.0045	13.1741	0.0003	0.0022
ENSG00000089057	SLC23A2	solute carrier family 23 mem- ber 2 [Source:HGNC Sym- bol;Acc:HGNC:10973]	protein coding	-0.6091	4.8425	26.3467	<0.0001	<0.0001
ENSG00000170581	STAT2	signal transducer and activator of transcription 2 [Source:HGNC Symbol;Acc:HGNC:11363]	protein coding	0.6089	7.7544	6.2495	0.0124	0.0427
ENSG00000221866	PLXNA4	plexin A4 [Source:HGNC Sym- bol;Acc:HGNC:9102]	protein coding	-0.6088	2.3075	10.9655	0.0009	0.0055
ENSG00000092068	SLC7A8	solute carrier family 7 mem- ber 8 [Source:HGNC Sym- bol;Acc:HGNC:11066]	protein coding	-0.6087	2.6387	11.5270	0.0007	0.0043
ENSG00000211947	IGHV3-21	immunoglobulin heavy variable 3-21 [Source:HGNC Sym- bol;Acc:HGNC:5586]	IG V gene	-0.6081	3.8084	11.1147	0.0009	0.0052
ENSG00000118513	MYB	MYB proto-oncogene, transcrip- tion factor [Source:HGNC Sym- bol;Acc:HGNC:7545]	protein coding	-0.6081	2.5699	11.4393	0.0007	0.0045
ENSG00000279573		TEC	TEC	0.6075	1.9014	6.6171	0.0101	0.0362
ENSG00000197776	KLHDC1	kelch domain containing 1 [Source:HGNC Sym- bol;Acc:HGNC:19836]	protein coding	-0.6074	1.3725	6.7443	0.0094	0.0342
ENSG00000257495	KRT73- AS1	KRT73 antisense 1 [Source:HGNC Sym- bol;Acc:HGNC:49607]	RNA lncRNA	-0.6074	2.1314	6.0381	0.014	0.0467
ENSG00000168916	ZNF608	zinc finger protein 608 [Source:HGNC bol;Acc:HGNC:29238]	protein coding	-0.6072	2.7015	9.8807	0.0017	0.0087

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000197122	SRC	SRC proto-oncogene, non-receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:11283]	protein coding	0.6066	4.8049	15.7837	<0.0001	0.0007
ENSG00000211673	IGLV3-1	immunoglobulin lambda variable 3-1 [Source:HGNC Symbol;Acc:HGNC:5896]	IG V gene	-0.6063	5.6732	6.8937	0.0087	0.0321
ENSG00000175895	PLEKHF2	pleckstrin homology and FYVE domain containing 2 [Source:HGNC Symbol;Acc:HGNC:20757]	protein coding	-0.6062	5.2880	18.5251	<0.0001	0.0002
ENSG00000001167	NFYA	nuclear transcription factor Y subunit alpha [Source:HGNC Symbol;Acc:HGNC:7804]	protein coding	-0.6060	4.8295	26.1294	<0.0001	<0.0001
ENSG00000134765	DSC1	desmocollin 1 [Source:HGNC Symbol;Acc:HGNC:3035]	protein coding	-0.6060	1.7191	7.5872	0.0059	0.0237
ENSG00000109618	SEPSECS	Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase [Source:HGNC Symbol;Acc:HGNC:30605]	protein coding	-0.6057	3.6731	16.1533	<0.0001	0.0006
ENSG00000255733	IFNG-AS1	IFNG antisense 1 [Source:HGNC Symbol;Acc:HGNC:43910]	lncRNA	-0.6057	2.0875	6.8657	0.0088	0.0325
ENSG00000148516	ZEB1	zinc finger E-box binding homeobox 1 [Source:HGNC Symbol;Acc:HGNC:11642]	protein coding	-0.6056	4.6788	17.6757	<0.0001	0.0003
ENSG00000165997	ARL5B	ADP ribosylation factor like GTPase 5B [Source:HGNC Symbol;Acc:HGNC:23052]	protein coding	-0.6055	3.6054	14.2082	0.0002	0.0014
ENSG00000179841	AKAP5	A-kinase anchoring protein 5 [Source:HGNC Symbol;Acc:HGNC:375]	protein coding	-0.6055	2.0887	6.1667	0.013	0.0442
ENSG00000230551		novel transcript	lncRNA	0.6053	3.7554	9.5491	0.002	0.01
ENSG00000237181	PRKAR1B-AS1	PRKAR1B antisense 1 [Source:HGNC Symbol;Acc:HGNC:40470]	lncRNA	0.6052	2.8324	7.3771	0.0066	0.0259
ENSG00000083093	PALB2	partner and localizer of BRCA2 [Source:HGNC Symbol;Acc:HGNC:26144]	protein coding	-0.6051	3.1994	11.2156	0.0008	0.005

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000159658	EFCAB14	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:HGNC:29051]	protein coding	-0.6050	6.8943	16.2169	<0.0001	0.0006
ENSG00000276775	IGHV4-4	immunoglobulin heavy variable 4-4 [Source:HGNC Symbol;Acc:HGNC:5652]	IG V gene	-0.6048	3.3320	9.5810	0.002	0.0099
ENSG00000146918	NCAPG2	non-SMC condensin II complex subunit G2 [Source:HGNC Symbol;Acc:HGNC:21904]	protein coding	-0.6048	3.3172	14.4165	0.0001	0.0013
ENSG00000213762	ZNF134	zinc finger protein 134 [Source:HGNC Symbol;Acc:HGNC:12918]	protein coding	-0.6047	4.8355	18.8767	<0.0001	0.0002
ENSG00000172007	RAB33B	RAB33B, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:16075]	protein coding	-0.6047	3.6728	20.8055	<0.0001	<0.0001
ENSG00000142634	EFHD2	EF-hand domain family member D2 [Source:HGNC Symbol;Acc:HGNC:28670]	protein coding	0.6040	8.4528	18.3967	<0.0001	0.0002
ENSG00000175538	KCNE3	potassium voltage-gated channel subfamily E regulatory subunit 3 [Source:HGNC Symbol;Acc:HGNC:6243]	protein coding	0.6039	4.5827	21.5541	<0.0001	<0.0001
ENSG00000227124	ZNF717	zinc finger protein 717 [Source:HGNC Symbol;Acc:HGNC:29448]	protein coding	-0.6037	2.2745	10.7101	0.0011	0.0061
ENSG00000198315	ZKSCAN8	zinc finger with KRAB and SCAN domains 8 [Source:HGNC Symbol;Acc:HGNC:12983]	protein coding	-0.6033	4.8513	24.0968	<0.0001	<0.0001
ENSG00000116991	SIPA1L2	signal induced proliferation associated 1 like 2 [Source:HGNC Symbol;Acc:HGNC:23800]	protein coding	0.6033	2.7803	8.9192	0.0028	0.0133
ENSG00000111877	MCM9	minichromosome maintenance 9 homologous recombination repair factor [Source:HGNC Symbol;Acc:HGNC:21484]	protein coding	-0.6030	4.3976	18.4667	<0.0001	0.0002
ENSG00000147874	HAUS6	HAUS augmin like complex subunit 6 [Source:HGNC Symbol;Acc:HGNC:25948]	protein coding	-0.6030	4.1572	24.5732	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000149346	SLX4IP	SLX4 interacting protein [Source:HGNC Symbol;Acc:HGNC:16225]	protein coding	-0.6028	3.4070	13.4020	0.0003	0.002
ENSG00000242265	PEG10	paternally expressed 10 [Source:HGNC Symbol;Acc:HGNC:14005]	protein coding	-0.6024	2.2984	8.9391	0.0028	0.0132
ENSG00000132932	ATP8A2	ATPase phospholipid transporting 8A2 [Source:HGNC Symbol;Acc:HGNC:13533]	protein coding	-0.6023	2.2777	7.3015	0.0069	0.0267
ENSG00000136144	RCBTB1	RCC1 and BTB domain containing protein 1 [Source:HGNC Symbol;Acc:HGNC:18243]	protein coding	-0.6022	3.8480	20.2419	<0.0001	0.0001
ENSG00000174197	MGA	MAX dimerization MGA [Source:HGNC Symbol;Acc:HGNC:14010]	protein coding	-0.6022	5.7162	19.3901	<0.0001	0.0002
ENSG00000234444	ZNF736	zinc finger protein 736 [Source:HGNC Symbol;Acc:HGNC:32467]	protein coding	-0.6022	3.5030	12.9760	0.0003	0.0024
ENSG00000110944	IL23A	interleukin 23 subunit alpha [Source:HGNC Symbol;Acc:HGNC:15488]	protein coding	-0.6019	3.4537	9.3943	0.0022	0.0107
ENSG00000278030	TRBV7-9	T cell receptor beta variable 7-9 [Source:HGNC Symbol;Acc:HGNC:12243]	TR V gene	-0.6019	4.2912	14.5218	0.0001	0.0012
ENSG00000142046	TMEM91	transmembrane 91 [Source:HGNC Symbol;Acc:HGNC:32393]	protein coding	0.6017	3.2918	12.7592	0.0004	0.0026
ENSG00000099860	GADD45B	growth arrest and DNA damage inducible beta [Source:HGNC Symbol;Acc:HGNC:4096]	protein coding	0.6017	5.7876	14.7599	0.0001	0.0011
ENSG00000119401	TRIM32	tripartite motif containing 32 [Source:HGNC Symbol;Acc:HGNC:16380]	protein coding	-0.6015	3.7248	12.6533	0.0004	0.0027
ENSG00000066279	ASPM	abnormal spindle microtubule assembly [Source:HGNC Symbol;Acc:HGNC:19048]	protein coding	-0.6015	2.1531	9.6690	0.0019	0.0095
ENSG00000175193	PARL	presenilin associated rhomboid like [Source:HGNC Symbol;Acc:HGNC:18253]	protein coding	0.6014	3.6568	10.5449	0.0012	0.0066

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000150768	DLAT	dihydrolipoamide S-acetyltransferase [Source:HGNC Symbol;Acc:HGNC:2896]	protein coding	-0.6014	4.0475	11.5202	0.0007	0.0043
ENSG00000244575	IGKV1-27	immunoglobulin kappa variable 1-27 [Source:HGNC Symbol;Acc:HGNC:5735]	IG V gene	-0.6013	3.7035	6.9654	0.0083	0.0311
ENSG00000144451	SPAG16	sperm associated antigen 16 [Source:HGNC Symbol;Acc:HGNC:23225]	protein coding	-0.6009	1.9137	8.7472	0.0031	0.0143
ENSG00000197705	KLHL14	kelch like family member 14 [Source:HGNC Symbol;Acc:HGNC:29266]	protein coding	-0.6008	3.3096	17.0575	<0.0001	0.0004
ENSG00000265148	TSPOAP1-AS1	TSPOAP1, SUPT4H1 and RNF43 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44148]	lncRNA	-0.6006	4.1124	17.0775	<0.0001	0.0004
ENSG00000145241	CENPC	centromere protein C [Source:HGNC Symbol;Acc:HGNC:1854]	protein coding	-0.6006	3.8665	18.6327	<0.0001	0.0002
ENSG00000226121	AHCTF1P1	AT-hook containing transcription factor 1 pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:24620]	processed pseudo-gene	-0.6006	2.5611	10.6561	0.0011	0.0063
ENSG00000136153	LMO7	LIM domain 7 [Source:HGNC Symbol;Acc:HGNC:6646]	protein coding	-0.6005	3.1263	15.4278	<0.0001	0.0008
ENSG00000117569	PTBP2	polypyrimidine tract binding protein 2 [Source:HGNC Symbol;Acc:HGNC:17662]	protein coding	-0.6000	3.9398	19.0284	<0.0001	0.0002
ENSG00000197147	LRRC8B	leucine rich repeat containing 8 VRAC subunit B [Source:HGNC Symbol;Acc:HGNC:30692]	protein coding	-0.6000	3.4655	16.7596	<0.0001	0.0005
ENSG00000119632	IFI27L2	interferon alpha inducible protein 27 like 2 [Source:HGNC Symbol;Acc:HGNC:19753]	protein coding	0.5994	4.4177	17.7644	<0.0001	0.0003
ENSG00000187840	EIF4EBP1	eukaryotic translation initiation factor 4E binding protein 1 [Source:HGNC Symbol;Acc:HGNC:3288]	protein coding	0.5994	4.5256	21.0788	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000196455	PIK3R4	phosphoinositide-3-kinase regulatory subunit 4 [Source:HGNC Symbol;Acc:HGNC:8982]	protein coding	-0.5993	4.6860	19.3348	<0.0001	0.0002
ENSG0000012983	MAP4K5	mitogen-activated protein kinase kinase kinase kinase 5 [Source:HGNC Symbol;Acc:HGNC:6867]	protein coding	-0.5993	3.5731	18.1364	<0.0001	0.0003
ENSG00000163600	ICOS	inducible T cell costimulator [Source:HGNC Symbol;Acc:HGNC:5351]	protein coding	-0.5992	4.8309	22.4488	<0.0001	<0.0001
ENSG00000116157	GPX7	glutathione peroxidase 7 [Source:HGNC Symbol;Acc:HGNC:4559]	protein coding	-0.5991	5.1488	9.8093	0.0017	0.009
ENSG00000196369	SRGAP2B	SLIT-ROBO Rho GTPase activating protein 2B [Source:HGNC Symbol;Acc:HGNC:35237]	protein coding	0.5985	2.4014	11.1007	0.0009	0.0052
ENSG00000255423	EBLN2	endogenous Bornavirus like nucleoprotein 2 [Source:HGNC Symbol;Acc:HGNC:25493]	protein coding	0.5984	1.7275	10.1632	0.0014	0.0077
ENSG00000164754	RAD21	RAD21 cohesin complex component [Source:HGNC Symbol;Acc:HGNC:9811]	protein coding	-0.5982	6.6455	17.4059	<0.0001	0.0004
ENSG00000066422	ZBTB11	zinc finger and BTB domain containing 11 [Source:HGNC Symbol;Acc:HGNC:16740]	protein coding	-0.5981	4.6851	22.6949	<0.0001	<0.0001
ENSG00000073111	MCM2	minichromosome maintenance complex component 2 [Source:HGNC Symbol;Acc:HGNC:6944]	protein coding	-0.5977	2.5370	8.2321	0.0041	0.0179
ENSG00000116299	KIAA1324	KIAA1324 [Source:HGNC Symbol;Acc:HGNC:29618]	protein coding	-0.5977	1.7346	6.4761	0.0109	0.0386
ENSG00000100412	ACO2	aconitase 2 [Source:HGNC Symbol;Acc:HGNC:118]	protein coding	-0.5976	5.5211	17.7409	<0.0001	0.0003
ENSG00000185347	TEDC1	tubulin epsilon and delta complex 1 [Source:HGNC Symbol;Acc:HGNC:20127]	protein coding	0.5976	2.9052	8.1693	0.0043	0.0184

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000197860	SGTB	small glutamine rich tetratri- copeptide repeat containing beta [Source:HGNC Sym- bol;Acc:HGNC:23567]	protein coding	-0.5973	3.8467	18.1442	<0.0001	0.0003
ENSG00000205730	ITPRIPL2	ITPRIP like 2 [Source:HGNC Symbol;Acc:HGNC:27257]	protein coding	0.5970	3.2785	11.2561	0.0008	0.0049
ENSG00000105619	TFPT	TCF3 fusion partner [Source:HGNC Sym- bol;Acc:HGNC:13630]	protein coding	0.5969	3.7664	17.9439	<0.0001	0.0003
ENSG00000180884	ZNF792	zinc finger protein 792 [Source:HGNC Sym- bol;Acc:HGNC:24751]	protein coding	-0.5967	3.5111	11.5344	0.0007	0.0043
ENSG00000151694	ADAM17	ADAM metallopeptidase do- main 17 [Source:HGNC Sym- bol;Acc:HGNC:195]	protein coding	-0.5966	4.5735	12.1512	0.0005	0.0033
ENSG00000234152	ELOBP1	elongin B pseudogene 1 [Source:HGNC Sym- bol;Acc:HGNC:39719]	processed pseudo- gene	0.5966	2.1737	6.9471	0.0084	0.0313
ENSG00000153339	TRAPPC8	trafficking protein particle complex 8 [Source:HGNC Symbol;Acc:HGNC:29169]	protein coding	-0.5965	5.3417	26.5397	<0.0001	<0.0001
ENSG00000146556	WASH2P	WASP family homolog 2, pseudogene [Source:HGNC Symbol;Acc:HGNC:33145]	transcribed unpro- cessed pseudo- gene	0.5963	4.1258	8.5994	0.0034	0.0153
ENSG00000138593	SECISBP2L	SECIS binding protein 2 like [Source:HGNC Sym- bol;Acc:HGNC:28997]	protein coding	-0.5963	5.3134	21.1287	<0.0001	<0.0001
ENSG00000112992	NNT	nicotinamide nucleotide transhy- drogenase [Source:HGNC Sym- bol;Acc:HGNC:7863]	protein coding	-0.5963	5.6669	14.4371	0.0001	0.0013
ENSG00000135336	ORC3	origin recognition complex subunit 3 [Source:HGNC Sym- bol;Acc:HGNC:8489]	protein coding	-0.5962	3.8516	12.6229	0.0004	0.0027
ENSG00000159459	UBR1	ubiquitin protein ligase E3 component n-recognin 1 [Source:HGNC Sym- bol;Acc:HGNC:16808]	protein coding	-0.5961	4.7743	22.8363	<0.0001	<0.0001

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000064547	LPAR2	lysophosphatidic acid receptor 2 [Source:HGNC Symbol;Acc:HGNC:3168]	protein coding	0.5960	4.9596	9.9151	0.0016	0.0086
ENSG00000177034	MTX3	metaxin 3 [Source:HGNC Symbol;Acc:HGNC:24812]	protein coding	-0.5960	3.3911	16.1870	<0.0001	0.0006
ENSG00000277301		novel transcript, antisense to NOL4L	lncRNA	-0.5959	2.1513	10.7872	0.001	0.0059
ENSG00000153207	AHCTF1	AT-hook containing transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:24618]	protein coding	-0.5956	5.0091	22.4857	<0.0001	<0.0001
ENSG00000114739	ACVR2B	activin A receptor type 2B [Source:HGNC Symbol;Acc:HGNC:174]	protein coding	-0.5950	2.9848	11.4856	0.0007	0.0044
ENSG00000163110	PDLIM5	PDZ and LIM domain 5 [Source:HGNC Symbol;Acc:HGNC:17468]	protein coding	0.5950	5.4958	25.0363	<0.0001	<0.0001
ENSG00000162852	CNST	consortin, connexin sorting protein [Source:HGNC Symbol;Acc:HGNC:26486]	protein coding	-0.5949	5.7995	26.4196	<0.0001	<0.0001
ENSG00000134686	PHC2	polyhomeotic homolog 2 [Source:HGNC Symbol;Acc:HGNC:3183]	protein coding	0.5946	6.3010	25.7080	<0.0001	<0.0001
ENSG00000181754	AMIGO1	adhesion molecule with Ig like domain 1 [Source:HGNC Symbol;Acc:HGNC:20824]	protein coding	-0.5946	4.6441	24.0184	<0.0001	<0.0001
ENSG00000123360	PDE1B	phosphodiesterase 1B [Source:HGNC Symbol;Acc:HGNC:8775]	protein coding	0.5945	2.9662	8.9487	0.0028	0.0131
ENSG00000211945	IGHV1-18	immunoglobulin heavy variable 1-18 [Source:HGNC Symbol;Acc:HGNC:5549]	IG V gene	-0.5945	4.1789	13.4658	0.0002	0.0019
ENSG00000135821	GLUL	glutamate-ammonia ligase [Source:HGNC Symbol;Acc:HGNC:4341]	protein coding	0.5942	7.1837	16.3250	<0.0001	0.0006
ENSG00000164603	BMT2	base methyltransferase of 25S rRNA 2 homolog [Source:HGNC Symbol;Acc:HGNC:26475]	protein coding	-0.5941	3.5790	13.4832	0.0002	0.0019

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000151690	MFSD6	major facilitator superfamily domain containing 6 [Source:HGNC Symbol;Acc:HGNC:24711]	protein coding	-0.5941	5.1656	23.5234	<0.0001	<0.0001
ENSG00000135185	TMEM243	transmembrane 243 [Source:HGNC Symbol;Acc:HGNC:21707]	protein coding	-0.5940	5.2270	20.6272	<0.0001	<0.0001
ENSG00000155858	LSM11	LSM11, U7 small nuclear RNA associated [Source:HGNC Symbol;Acc:HGNC:30860]	protein coding	-0.5938	2.1429	10.4680	0.0012	0.0068
ENSG00000095002	MSH2	mutS homolog 2 [Source:HGNC Symbol;Acc:HGNC:7325]	protein coding	-0.5936	4.6675	12.8258	0.0003	0.0025
ENSG00000116984	MTR	5-methyltetrahydrofolate-homocysteine methyltransferase [Source:HGNC Symbol;Acc:HGNC:7468]	protein coding	-0.5935	5.0064	28.0652	<0.0001	<0.0001
ENSG00000137161	CNPY3	canopy FGF signaling regulator 3 [Source:HGNC Symbol;Acc:HGNC:11968]	protein coding	0.5932	8.1460	21.9426	<0.0001	<0.0001
ENSG00000124762	CDKN1A	cyclin dependent kinase inhibitor 1A [Source:HGNC Symbol;Acc:HGNC:1784]	protein coding	0.5931	5.4357	13.9564	0.0002	0.0016
ENSG00000213934	HBG1	hemoglobin subunit gamma 1 [Source:HGNC Symbol;Acc:HGNC:4831]	protein coding	0.5930	4.8614	7.4414	0.0064	0.0251
ENSG00000134900	TPP2	tripeptidyl peptidase 2 [Source:HGNC Symbol;Acc:HGNC:12016]	protein coding	-0.5929	5.7539	25.4680	<0.0001	<0.0001
ENSG00000106484	MEST	mesoderm specific transcript [Source:HGNC Symbol;Acc:HGNC:7028]	protein coding	-0.5927	2.6076	13.8290	0.0002	0.0017
ENSG00000099364	FBXL19	F-box and leucine rich repeat protein 19 [Source:HGNC Symbol;Acc:HGNC:25300]	protein coding	0.5927	4.5451	15.0650	0.0001	0.001
ENSG00000196850	PPTC7	protein phosphatase targeting COQ7 [Source:HGNC Symbol;Acc:HGNC:30695]	protein coding	-0.5927	5.6078	15.9377	<0.0001	0.0007
ENSG00000074964	ARHGEF10L	Rho guanine nucleotide exchange factor 10 like [Source:HGNC Symbol;Acc:HGNC:25540]	protein coding	0.5924	4.4825	12.2123	0.0005	0.0032

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000260032	NORAD	non-coding RNA activated by DNA damage [Source:HGNC Symbol;Acc:HGNC:44311]	lncRNA	-0.5923	7.7111	19.1411	<0.0001	0.0002
ENSG00000162396	PARS2	prolyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:30563]	protein coding	-0.5923	2.5080	5.9221	0.015	0.0493
ENSG00000233355	CHRM3-AS2	CHRM3 antisense 2 [Source:HGNC Symbol;Acc:HGNC:43725]	lncRNA	-0.5922	5.2880	20.7509	<0.0001	<0.0001
ENSG00000072415	MPP5	membrane palmitoylated protein 5 [Source:HGNC Symbol;Acc:HGNC:18669]	protein coding	-0.5922	2.1235	7.8783	0.005	0.0208
ENSG00000172845	SP3	Sp3 transcription factor [Source:HGNC Symbol;Acc:HGNC:11208]	protein coding	-0.5919	6.0911	27.6373	<0.0001	<0.0001
ENSG00000112773	TENT5A	terminal nucleotidyltransferase 5A [Source:HGNC Symbol;Acc:HGNC:18345]	protein coding	0.5919	5.6118	12.7504	0.0004	0.0026
ENSG00000109762	SNX25	sorting nexin 25 [Source:HGNC Symbol;Acc:HGNC:21883]	protein coding	-0.5917	3.8454	20.0307	<0.0001	0.0001
ENSG00000005020	SKAP2	src kinase associated phosphoprotein 2 [Source:HGNC Symbol;Acc:HGNC:15687]	protein coding	0.5916	6.1056	14.4786	0.0001	0.0013
ENSG00000105497	ZNF175	zinc finger protein 175 [Source:HGNC Symbol;Acc:HGNC:12964]	protein coding	-0.5916	3.5779	19.9096	<0.0001	0.0001
ENSG00000177156	TALDO1	transaldolase 1 [Source:HGNC Symbol;Acc:HGNC:11559]	protein coding	0.5915	7.8927	15.5532	<0.0001	0.0008
ENSG00000271869		novel transcript	lncRNA	0.5915	3.1356	11.6171	0.0007	0.0042
ENSG00000066084	DIP2B	disco interacting protein 2 homolog B [Source:HGNC Symbol;Acc:HGNC:29284]	protein coding	-0.5914	5.2907	20.3415	<0.0001	0.0001
ENSG00000244535		ribosomal protein L34 (RPL34) pseudogene	processed pseudogene	-0.5913	1.8990	7.0310	0.008	0.0302
ENSG00000079308	TNS1	tensin 1 [Source:HGNC Symbol;Acc:HGNC:11973]	protein coding	0.5912	4.2176	11.4885	0.0007	0.0044

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000237440	ZNF737	zinc finger protein 737 [Source:HGNC Symbol;Acc:HGNC:32468]	protein coding	-0.5911	3.8081	17.9060	<0.0001	0.0003
ENSG00000124151	NCOA3	nuclear receptor coactivator 3 [Source:HGNC Symbol;Acc:HGNC:7670]	protein coding	-0.5910	6.5065	19.6611	<0.0001	0.0001
ENSG00000242887	IGHJ3	immunoglobulin heavy joining 3 [Source:HGNC Symbol;Acc:HGNC:5536]	IG J gene	-0.5910	2.8748	10.4469	0.0012	0.0068
ENSG00000068489	PRR11	proline rich 11 [Source:HGNC Symbol;Acc:HGNC:25619]	protein coding	0.5905	4.8117	19.2853	<0.0001	0.0002
ENSG00000170571	EMB	embigin [Source:HGNC Symbol;Acc:HGNC:30465]	protein coding	-0.5905	6.5907	18.0197	<0.0001	0.0003
ENSG00000165410	CFL2	cofilin 2 [Source:HGNC Symbol;Acc:HGNC:1875]	protein coding	-0.5904	2.5960	10.1841	0.0014	0.0076
ENSG00000100629	CEP128	centrosomal protein 128 [Source:HGNC Symbol;Acc:HGNC:20359]	protein coding	-0.5903	2.0446	12.0127	0.0005	0.0035
ENSG00000165417	GTF2A1	general transcription factor IIA subunit 1 [Source:HGNC Symbol;Acc:HGNC:4646]	protein coding	-0.5903	4.6358	24.4453	<0.0001	<0.0001
ENSG00000213058		ribosomal protein S14 (RPS14) pseudogene	processed pseudogene	-0.5903	5.5923	16.9470	<0.0001	0.0004
ENSG00000132535	DLG4	discs large MAGUK scaffold protein 4 [Source:HGNC Symbol;Acc:HGNC:2903]	protein coding	0.5900	4.4440	18.4637	<0.0001	0.0002
ENSG00000173848	NET1	neuroepithelial cell transforming 1 [Source:HGNC Symbol;Acc:HGNC:14592]	protein coding	-0.5899	4.0622	17.4669	<0.0001	0.0004
ENSG00000100034	PPM1F	protein phosphatase, Mg2+/Mn2+ dependent 1F [Source:HGNC Symbol;Acc:HGNC:19388]	protein coding	0.5897	6.0303	20.1698	<0.0001	0.0001
ENSG00000125089	SH3TC1	SH3 domain and tetratricopeptide repeats 1 [Source:HGNC Symbol;Acc:HGNC:26009]	protein coding	0.5895	5.5118	20.8051	<0.0001	<0.0001
ENSG00000259397		U2 small nuclear RNA auxiliary factor 1 (U2AF1) pseudogene	processed pseudogene	0.5893	2.5546	8.4411	0.0037	0.0164

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000131845	ZNF304	zinc finger protein 304 [Source:HGNC Symbol;Acc:HGNC:13505]	protein coding	-0.5888	3.8707	18.3681	<0.0001	0.0002
ENSG00000178229	ZNF543	zinc finger protein 543 [Source:HGNC Symbol;Acc:HGNC:25281]	protein coding	-0.5888	3.0894	14.1709	0.0002	0.0014
ENSG00000140368	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:9580]	protein coding	0.5886	6.6680	18.8863	<0.0001	0.0002
ENSG00000131401	NAPSB	napsin B aspartic peptidase, pseudogene [Source:HGNC Symbol;Acc:HGNC:13396]	transcribed unprocessed pseudo-gene	0.5886	6.7053	17.6895	<0.0001	0.0003
ENSG00000146463	ZMYM4	zinc finger MYM-type containing 4 [Source:HGNC Symbol;Acc:HGNC:13055]	protein coding	-0.5883	5.2921	16.6300	<0.0001	0.0005
ENSG00000104219	ZDHHC2	zinc finger DHHC-type palmitoyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:18469]	protein coding	-0.5883	4.9104	12.0507	0.0005	0.0035
ENSG00000135929	CYP27A1	cytochrome P450 family 27 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:2605]	protein coding	0.5881	3.6079	9.9506	0.0016	0.0084
ENSG00000189180	ZNF33A	zinc finger protein 33A [Source:HGNC Symbol;Acc:HGNC:13096]	protein coding	-0.5878	5.2421	19.3974	<0.0001	0.0002
ENSG00000155100	OTUD6B	OTU deubiquitinase 6B [Source:HGNC Symbol;Acc:HGNC:24281]	protein coding	-0.5877	2.5854	11.7655	0.0006	0.0039
ENSG00000211663	IGLV3-19	immunoglobulin lambda variable 3-19 [Source:HGNC Symbol;Acc:HGNC:5903]	IG V gene	-0.5876	4.6565	10.0431	0.0015	0.0081
ENSG00000102531	FNDC3A	fibronectin type III domain containing 3A [Source:HGNC Symbol;Acc:HGNC:20296]	protein coding	-0.5875	4.7391	19.2516	<0.0001	0.0002

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000224137	LINC01857	long intergenic non-protein coding RNA 1857 [Source:HGNC Symbol;Acc:HGNC:52673]	lncRNA	-0.5871	1.9656	6.8228	0.009	0.0331
ENSG00000008869	HEATR5B	HEAT repeat containing 5B [Source:HGNC Symbol;Acc:HGNC:29273]	protein coding	-0.5871	5.7464	19.7433	<0.0001	0.0001
ENSG00000232024	LSM12P1	LSM12 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:32453]	processed pseudo-gene	-0.5867	2.0424	6.8739	0.0087	0.0324
ENSG00000110429	FBXO3	F-box protein 3 [Source:HGNC Symbol;Acc:HGNC:13582]	protein coding	-0.5866	4.4149	17.2877	<0.0001	0.0004
ENSG00000134758	RNF138	ring finger protein 138 [Source:HGNC Symbol;Acc:HGNC:17765]	protein coding	-0.5865	5.0201	12.4637	0.0004	0.0029
ENSG00000130363	RSPH3	radial spoke head 3 [Source:HGNC Symbol;Acc:HGNC:21054]	protein coding	0.5865	3.1594	12.1840	0.0005	0.0033
ENSG00000119778	ATAD2B	ATPase family AAA domain containing 2B [Source:HGNC Symbol;Acc:HGNC:29230]	protein coding	-0.5859	4.4182	17.0390	<0.0001	0.0004
ENSG00000163681	SLMAP	sarcolemma associated protein [Source:HGNC Symbol;Acc:HGNC:16643]	protein coding	-0.5859	4.8024	18.9259	<0.0001	0.0002
ENSG00000110077	MS4A6A	membrane spanning 4-domains A6A [Source:HGNC Symbol;Acc:HGNC:13375]	protein coding	0.5858	6.9445	10.4547	0.0012	0.0068
ENSG00000256043	CTSO	cathepsin O [Source:HGNC Symbol;Acc:HGNC:2542]	protein coding	-0.5858	4.7096	7.1404	0.0075	0.0287
ENSG00000198718	TOGARAM1	TOG array regulator of axonemal microtubules 1 [Source:HGNC Symbol;Acc:HGNC:19959]	protein coding	-0.5858	3.2325	13.0890	0.0003	0.0022
ENSG00000128311	TST	thiosulfate sulfurtransferase [Source:HGNC Symbol;Acc:HGNC:12388]	protein coding	0.5855	3.2591	13.7080	0.0002	0.0017
ENSG00000059378	PARP12	poly(ADP-ribose) polymerase family member 12 [Source:HGNC Symbol;Acc:HGNC:21919]	protein coding	0.5855	7.3174	7.9804	0.0047	0.02

Supplementary Table 10: Differentially transcribed genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000134545	KLRC1	killer cell lectin like receptor C1 [Source:HGNC Symbol;Acc:HGNC:6374]	protein coding	-0.5855	3.1080	6.8217	0.009	0.0331
ENSG00000120690	ELF1	E74 like ETS transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:3316]	protein coding	-0.5853	6.5049	21.0040	<0.0001	<0.0001
ENSG00000175548	ALG10B	ALG10 alpha-1,2-glucosyltransferase B [Source:HGNC Symbol;Acc:HGNC:31088]	protein coding	-0.5852	2.4287	12.3543	0.0004	0.0031
ENSG00000108774	RAB5C	RAB5C, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9785]	protein coding	0.5851	6.3106	18.0262	<0.0001	0.0003

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000088827	SIGLEC1	sialic acid binding Ig like lectin 1 [Source:HGNC Symbol;Acc:HGNC:11127]	protein coding	3.0019	5.7988	23.7974	<0.0001	0.0006
ENSG00000115155	OTOF	otoferlin [Source:HGNC Symbol;Acc:HGNC:8515]	protein coding	2.7900	3.6226	28.7947	<0.0001	<0.0001
ENSG00000137959	IFI44L	interferon induced protein 44 like [Source:HGNC Symbol;Acc:HGNC:17817]	protein coding	2.6245	7.6360	35.3491	<0.0001	<0.0001
ENSG00000165949	IFI27	interferon alpha inducible protein 27 [Source:HGNC Symbol;Acc:HGNC:5397]	protein coding	2.5392	5.4773	37.5477	<0.0001	<0.0001
ENSG00000248483	POU5F2	POU domain class 5, transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:26367]	protein coding	2.2328	3.1390	17.9603	<0.0001	0.0035
ENSG00000259926		novel transcript	lncRNA	1.9339	3.3227	26.8680	<0.0001	0.0002
ENSG00000134321	RSAD2	radical S-adenosyl methionine domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30908]	protein coding	1.9072	6.0572	25.5446	<0.0001	0.0003

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211937	IGHV2-5	immunoglobulin heavy variable 2-5 [Source:HGNC Symbol;Acc:HGNC:5576]	IG V gene	-1.8628	3.8697	25.3282	<0.0001	0.0003
ENSG00000251571	DDX3P3	DEAD-box helicase 3 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:42173]	processed pseudogene	-1.7620	1.9600	22.4703	<0.0001	0.0008
ENSG00000270871		novel transcript, antisense to TAF15	lncRNA	1.7461	3.2264	11.7007	0.0006	0.0274
ENSG00000119917	IFIT3	interferon induced protein with tetratricopeptide repeats 3 [Source:HGNC Symbol;Acc:HGNC:5411]	protein coding	1.6860	6.8456	16.9273	<0.0001	0.0049
ENSG00000267541	MTCO2P2	MT-CO2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:25354]	processed pseudogene	-1.6839	3.8826	14.5778	0.0001	0.0115
ENSG00000225964	NRIR	negative regulator of interferon response [Source:HGNC Symbol;Acc:HGNC:51269]	lncRNA	1.6799	2.0757	15.2247	<0.0001	0.009
ENSG00000185745	IFIT1	interferon induced protein with tetratricopeptide repeats 1 [Source:HGNC Symbol;Acc:HGNC:5407]	protein coding	1.6707	5.4759	14.6534	0.0001	0.0112
ENSG00000126709	IFI6	interferon alpha inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	protein coding	1.6522	7.6353	23.6155	<0.0001	0.0006
ENSG00000187608	ISG15	ISG15 ubiquitin like modifier [Source:HGNC Symbol;Acc:HGNC:4053]	protein coding	1.6320	7.4906	42.7701	<0.0001	<0.0001
ENSG00000137965	IFI44	interferon induced protein 44 [Source:HGNC Symbol;Acc:HGNC:16938]	protein coding	1.6288	5.7145	25.9969	<0.0001	0.0003
ENSG00000257337		novel transcript, antisense to TENC1 and EIF4B	lncRNA	1.6275	2.4317	12.5555	0.0004	0.021
ENSG00000248544		novel transcript, antisense to CYFIP2	lncRNA	1.5949	2.5024	18.4098	<0.0001	0.0032
ENSG00000272578		glucuronidase, beta (GUSB) pseudogene	transcribed unprocessed pseudogene	1.5493	2.5502	14.8566	0.0001	0.0106

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000234290		novel transcript	lncRNA	1.5289	2.5134	16.1178	<0.0001	0.0066
ENSG00000157601	MX1	MX dynamin like GTPase 1 [Source:HGNC Symbol;Acc:HGNC:7532]	protein coding	1.5216	7.5224	27.4192	<0.0001	0.0001
ENSG00000263069	RNF213-AS1	RNF213 antisense 1 [Source:HGNC Symbol;Acc:HGNC:54402]	lncRNA	1.5186	2.7808	23.2017	<0.0001	0.0007
ENSG00000236977	ANKRD44-IT1	ANKRD44 intronic transcript 1 [Source:HGNC Symbol;Acc:HGNC:41477]	lncRNA	1.5072	2.9470	11.0843	0.0009	0.0329
ENSG00000279573		TEC	TEC	1.4841	2.1860	15.4726	<0.0001	0.0081
ENSG00000078081	LAMP3	lysosomal associated membrane protein 3 [Source:HGNC Symbol;Acc:HGNC:14582]	protein coding	1.4516	2.7606	12.3969	0.0004	0.0221
ENSG00000286067		novel transcript, antisense to PXN	lncRNA	1.4178	3.4005	15.9095	<0.0001	0.0072
ENSG00000286242		novel transcript, antisense to UBE2D3	lncRNA	1.4156	2.5079	12.6181	0.0004	0.0205
ENSG00000285437	POLR2J3	RNA polymerase II subunit J3 [Source:HGNC Symbol;Acc:HGNC:33853]	protein coding	1.4114	3.2442	9.5262	0.002	0.0494
ENSG00000225963		novel transcript, antisense to SP110	lncRNA	1.3889	3.1358	18.3460	<0.0001	0.0032
ENSG00000269821	KCNQ1OT1	KCNQ1 opposite strand/antisense transcript 1 [Source:HGNC Symbol;Acc:HGNC:6295]	lncRNA	1.3888	3.0004	17.1251	<0.0001	0.0047
ENSG00000211966	IGHV5-51	immunoglobulin heavy variable 5-51 [Source:HGNC Symbol;Acc:HGNC:5659]	IG V gene	-1.3874	4.9933	29.5629	<0.0001	<0.0001
ENSG00000229932	YWHAZP3	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta pseudo-gene 3 [Source:HGNC Symbol;Acc:HGNC:31101]	processed pseudo-gene	-1.3546	3.0615	22.4480	<0.0001	0.0008
ENSG00000259000	DOCK11P1	dedicator of cytokinesis 11 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:31719]	processed pseudo-gene	-1.3501	1.7841	18.0618	<0.0001	0.0035

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135114	OASL	2'-5'-oligoadenylate synthetase like [Source:HGNC Symbol;Acc:HGNC:8090]	protein coding	1.3459	5.1369	22.5871	<0.0001	0.0008
ENSG00000213985		ARP2 actin-related protein 2 homolog (yeast) (ACTR2) pseudo-gene	processed pseudo-gene	-1.3379	2.5574	13.3486	0.0003	0.0167
ENSG00000211970	IGHV4-61	immunoglobulin heavy variable 4-61 [Source:HGNC Symbol;Acc:HGNC:5655]	IG V gene	-1.3312	4.0780	21.7772	<0.0001	0.0011
ENSG00000211941	IGHV3-11	immunoglobulin heavy variable 3-11 (gene/pseudo-gene) [Source:HGNC Symbol;Acc:HGNC:5580]	IG V gene	-1.3194	3.3596	12.7746	0.0004	0.0197
ENSG00000138642	HERC6	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6 [Source:HGNC Symbol;Acc:HGNC:26072]	protein coding	1.2988	4.8325	28.6433	<0.0001	<0.0001
ENSG00000287920		novel transcript, antisense to NEDD9	lncRNA	1.2980	2.4397	14.6235	0.0001	0.0113
ENSG00000138646	HERC5	HECT and RLD domain containing E3 ubiquitin protein ligase 5 [Source:HGNC Symbol;Acc:HGNC:24368]	protein coding	1.2927	3.6791	15.6240	<0.0001	0.0077
ENSG00000142089	IFITM3	interferon induced transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:5414]	protein coding	1.2923	8.2815	31.7383	<0.0001	<0.0001
ENSG00000211973	IGHV1-69	immunoglobulin heavy variable 1-69 [Source:HGNC Symbol;Acc:HGNC:5558]	IG V gene	-1.2909	2.4831	16.2826	<0.0001	0.0062
ENSG00000279159		novel transcript, antisense to MTMR3	lncRNA	1.2860	3.6662	14.3098	0.0002	0.0121
ENSG00000230551		novel transcript	lncRNA	1.2631	4.3675	17.0457	<0.0001	0.0047
ENSG00000274422		novel transcript	lncRNA	1.2525	4.1584	19.5981	<0.0001	0.0024
ENSG00000231475	IGHV4-31	immunoglobulin heavy variable 4-31 [Source:HGNC Symbol;Acc:HGNC:5649]	IG V gene	-1.2481	3.4819	12.3202	0.0004	0.0226
ENSG00000211934	IGHV1-2	immunoglobulin heavy variable 1-2 [Source:HGNC Symbol;Acc:HGNC:5550]	IG V gene	-1.2351	5.1817	20.9122	<0.0001	0.0015

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000241666		novel transcript	lncRNA	1.2311	3.7207	17.3489	<0.0001	0.0045
ENSG00000240864	IGKV1-16	immunoglobulin kappa variable 1-16 [Source:HGNC Symbol;Acc:HGNC:5732]	IG V gene	-1.2303	3.8354	17.8832	<0.0001	0.0036
ENSG00000255967	HADHAP2	HADHA pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:38585]	processed pseudo-gene	-1.2273	2.5244	21.4249	<0.0001	0.0012
ENSG00000128383	APOBEC3A	apolipoprotein B mRNA editing enzyme catalytic subunit 3A [Source:HGNC Symbol;Acc:HGNC:17343]	protein coding	1.2073	5.5690	16.2095	<0.0001	0.0064
ENSG00000282600	IGHV3-69-1	immunoglobulin heavy variable 3-69-1 (pseudogene) [Source:HGNC Symbol;Acc:HGNC:5631]	IG V pseudogene	-1.2019	2.3524	11.5729	0.0007	0.0286
ENSG00000285399		novel transcript	lncRNA	1.2000	1.9765	14.6757	0.0001	0.0112
ENSG00000225783	MIAT	myocardial infarction associated transcript [Source:HGNC Symbol;Acc:HGNC:33425]	lncRNA	1.1984	2.5074	14.7477	0.0001	0.0109
ENSG00000211950	IGHV1-24	immunoglobulin heavy variable 1-24 [Source:HGNC Symbol;Acc:HGNC:5551]	IG V gene	-1.1754	2.2747	10.7179	0.0011	0.037
ENSG00000222057	RNU4-62P	RNA, U4 small nuclear 62, pseudogene [Source:HGNC Symbol;Acc:HGNC:46998]	snRNA	1.1748	3.1679	14.1897	0.0002	0.0126
ENSG00000280138		novel transcript	TEC	1.1666	3.1585	18.3864	<0.0001	0.0032
ENSG00000211949	IGHV3-23	immunoglobulin heavy variable 3-23 [Source:HGNC Symbol;Acc:HGNC:5588]	IG V gene	-1.1630	4.8392	14.5383	0.0001	0.0117
ENSG00000225568		pseudogene similar to part of SUMO-1 activating enzyme subunit 2 (UBA2)	processed pseudo-gene	-1.1479	1.7461	11.1029	0.0009	0.0329
ENSG00000185507	IRF7	interferon regulatory factor 7 [Source:HGNC Symbol;Acc:HGNC:6122]	protein coding	1.1394	6.8331	30.4956	<0.0001	<0.0001
ENSG00000232216	IGHV3-43	immunoglobulin heavy variable 3-43 [Source:HGNC Symbol;Acc:HGNC:5604]	IG V gene	-1.1328	3.3084	11.6765	0.0006	0.0274

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000213290	PGK1P2	phosphoglycerate kinase 1, pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:8899]	processed pseudo-gene	-1.1278	2.0471	12.5300	0.0004	0.0212
ENSG00000159189	C1QC	complement C1q C chain [Source:HGNC Symbol;Acc:HGNC:1245]	protein coding	1.1264	2.5516	10.1159	0.0015	0.0424
ENSG00000211945	IGHV1-18	immunoglobulin heavy variable 1-18 [Source:HGNC Symbol;Acc:HGNC:5549]	IG V gene	-1.1227	4.6574	15.8091	<0.0001	0.0074
ENSG00000162959	MEMO1	mediator of cell motility 1 [Source:HGNC Symbol;Acc:HGNC:14014]	protein coding	1.1220	4.1611	20.1868	<0.0001	0.0019
ENSG00000134326	CMPK2	cytidine/uridine monophosphate kinase 2 [Source:HGNC Symbol;Acc:HGNC:27015]	protein coding	1.1173	4.6559	10.1828	0.0014	0.0421
ENSG00000286786		novel transcript, antisense to RASGRP1	lncRNA	1.1173	2.1139	11.4659	0.0007	0.03
ENSG00000258501	EIF3LP1	eukaryotic translation initiation factor 3 subunit L pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:20010]	processed pseudo-gene	-1.1164	3.5504	20.1044	<0.0001	0.0019
ENSG00000231607	DLEU2	deleted in lymphocytic leukemia 2 [Source:HGNC Symbol;Acc:HGNC:13748]	lncRNA	1.1140	3.2422	18.5414	<0.0001	0.0031
ENSG00000132530	XAF1	XIAP associated factor 1 [Source:HGNC Symbol;Acc:HGNC:30932]	protein coding	1.1116	6.1336	12.3909	0.0004	0.0221
ENSG00000279838		TEC	TEC	1.1095	3.3665	13.8415	0.0002	0.0141
ENSG00000211935	IGHV1-3	immunoglobulin heavy variable 1-3 [Source:HGNC Symbol;Acc:HGNC:5552]	IG V gene	-1.1073	3.5839	10.2868	0.0013	0.0408
ENSG00000211659	IGLV3-25	immunoglobulin lambda variable 3-25 [Source:HGNC Symbol;Acc:HGNC:5908]	IG V gene	-1.1035	5.6157	16.3254	<0.0001	0.0061
ENSG00000105048	TNNT1	troponin T1, slow skeletal type [Source:HGNC Symbol;Acc:HGNC:11948]	protein coding	1.1004	1.5842	12.6219	0.0004	0.0205

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000243504	RPS23P1	ribosomal protein S23 pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:16043]	processed pseudo-gene	-1.0991	2.9747	18.6321	<0.0001	0.003
ENSG00000224650	IGHV3-74	immunoglobulin heavy variable 3-74 [Source:HGNC Symbol;Acc:HGNC:5624]	IG V gene	-1.0967	3.1598	12.3055	0.0005	0.0226
ENSG00000229097	CALM2P2	calmodulin 2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:1447]	processed pseudo-gene	-1.0943	2.2749	18.7400	<0.0001	0.003
ENSG00000177989	ODF3B	outer dense fiber of sperm tails 3B [Source:HGNC Symbol;Acc:HGNC:34388]	protein coding	1.0784	4.1389	15.2655	<0.0001	0.009
ENSG00000286035	MALAT1	novel transcript	lncRNA	1.0777	2.7070	14.4484	0.0001	0.0119
ENSG00000251562		metastasis associated lung adenocarcinoma transcript 1 [Source:HGNC Symbol;Acc:HGNC:29665]	lncRNA	1.0744	11.7382	20.2860	<0.0001	0.0019
ENSG00000226029	LINC01772	long intergenic non-protein coding RNA 1772 [Source:HGNC Symbol;Acc:HGNC:52562]	lncRNA	1.0727	1.8896	11.3902	0.0007	0.0306
ENSG00000243264	IGKV2D-29	immunoglobulin kappa variable 2D-29 [Source:HGNC Symbol;Acc:HGNC:5800]	IG V gene	-1.0712	2.5630	12.3757	0.0004	0.0221
ENSG00000233830	EIF4HP1	eukaryotic translation initiation factor 4H pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:49035]	processed pseudo-gene	-1.0694	1.9604	14.3379	0.0002	0.0121
ENSG00000211955	IGHV3-33	immunoglobulin heavy variable 3-33 [Source:HGNC Symbol;Acc:HGNC:5596]	IG V gene	-1.0658	3.9678	13.3121	0.0003	0.017
ENSG00000224373	IGHV4-59	immunoglobulin heavy variable 4-59 [Source:HGNC Symbol;Acc:HGNC:5654]	IG V gene	-1.0622	4.4610	18.4799	<0.0001	0.0031
ENSG00000243388	RPL3P3	ribosomal protein L3 pseudo-gene 3 [Source:HGNC Symbol;Acc:HGNC:23550]	processed pseudo-gene	-1.0597	3.7325	30.3193	<0.0001	<0.0001

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000258769	RAP1AP	RAP1A, member of RAS oncogene family pseudo-gene [Source:HGNC Symbol;Acc:HGNC:9856]	processed pseudo-gene	-1.0565	1.7212	14.4672	0.0001	0.0119
ENSG00000233994	GDI2P2	GDP dissociation inhibitor 2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:37976]	processed pseudo-gene	-1.0562	2.3347	16.6791	<0.0001	0.0054
ENSG00000160683	CXCR5	C-X-C motif chemokine receptor 5 [Source:HGNC Symbol;Acc:HGNC:1060]	protein coding	-1.0518	3.1563	15.7159	<0.0001	0.0075
ENSG00000232952		matrin 3 (MATR3) pseudogene	processed pseudo-gene	-1.0463	1.9791	15.2298	<0.0001	0.009
ENSG00000229619	MBNL1-AS1	MBNL1 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44584]	lncRNA	1.0431	1.6476	12.4880	0.0004	0.0214
ENSG00000162614	NEXN	nexilin F-actin binding protein [Source:HGNC Symbol;Acc:HGNC:29557]	protein coding	1.0419	4.2580	31.7553	<0.0001	<0.0001
ENSG00000228002	DHX9P1	DEAH-box helicase 9 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:2751]	processed pseudo-gene	-1.0352	2.0542	16.9305	<0.0001	0.0049
ENSG00000211947	IGHV3-21	immunoglobulin heavy variable 3-21 [Source:HGNC Symbol;Acc:HGNC:5586]	IG V gene	-1.0314	4.1386	14.1114	0.0002	0.013
ENSG00000231721	LINC-PINT	long intergenic non-protein coding RNA, p53 induced transcript [Source:HGNC Symbol;Acc:HGNC:26885]	lncRNA	1.0300	3.8341	13.0868	0.0003	0.0179
ENSG00000211946	IGHV3-20	immunoglobulin heavy variable 3-20 [Source:HGNC Symbol;Acc:HGNC:5585]	IG V gene	-1.0287	2.8510	11.4379	0.0007	0.0302
ENSG00000224546	EIF4BP3	eukaryotic translation initiation factor 4B pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:37936]	processed pseudo-gene	-1.0268	3.1280	22.3834	<0.0001	0.0008
ENSG00000279277		novel transcript	lncRNA	1.0242	1.9414	13.8822	0.0002	0.0139

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000250461		family with sequence similarity 133, member B (FAM133B) pseudogene	processed pseudo-gene	1.0196	3.2473	12.7545	0.0004	0.0198
ENSG00000250182	EEF1A1P13	eukaryotic translation elongation factor 1 alpha 1 pseudogene 13 [Source:HGNC Symbol;Acc:HGNC:3196]	processed pseudo-gene	-1.0167	6.0709	17.2769	<0.0001	0.0047
ENSG00000239415		novel transcript, antisense to MCM3APAS	lncRNA	1.0149	1.4254	17.3742	<0.0001	0.0045
ENSG00000244437	IGKV3-15	immunoglobulin kappa variable 3-15 [Source:HGNC Symbol;Acc:HGNC:5816]	IG V gene	-1.0127	5.3580	24.1725	<0.0001	0.0005
ENSG00000188219	POTEE	POTE ankyrin domain family member E [Source:HGNC Symbol;Acc:HGNC:33895]	protein coding	-1.0116	2.5358	19.5247	<0.0001	0.0024
ENSG00000229604	MTATP8P2	MT-ATP8 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:44572]	processed pseudo-gene	-1.0089	2.6843	18.5235	<0.0001	0.0031
ENSG00000196141	SPATS2L	spermatogenesis associated serine rich 2 like [Source:HGNC Symbol;Acc:HGNC:24574]	protein coding	1.0058	3.4922	16.5905	<0.0001	0.0056
ENSG00000257790	EIF4A1P4	eukaryotic translation initiation factor 4A1 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:37923]	processed pseudo-gene	-1.0054	2.1232	17.2549	<0.0001	0.0047
ENSG00000211662	IGLV3-21	immunoglobulin lambda variable 3-21 [Source:HGNC Symbol;Acc:HGNC:5905]	IG V gene	-1.0036	5.9286	13.6559	0.0002	0.015
ENSG00000211673	IGLV3-1	immunoglobulin lambda variable 3-1 [Source:HGNC Symbol;Acc:HGNC:5896]	IG V gene	-1.0027	6.1876	9.8931	0.0017	0.0444
ENSG00000225855	RUSC1-AS1	RUSC1 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:26680]	lncRNA	0.9963	1.5897	11.3424	0.0008	0.031
ENSG00000211962	IGHV1-46	immunoglobulin heavy variable 1-46 [Source:HGNC Symbol;Acc:HGNC:5554]	IG V gene	-0.9962	3.4851	10.6124	0.0011	0.038

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000225099	ATP6V1E1P1	ATPase H+ transporting V1 subunit E1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:859]	processed pseudo-gene	-0.9955	1.4327	23.2130	<0.0001	0.0007
ENSG00000183486	MX2	MX dynamin like 2 [Source:HGNC Symbol;Acc:HGNC:7533]	GTPase protein coding	0.9946	7.0642	22.3966	<0.0001	0.0008
ENSG00000180089	TMEM86B	transmembrane 86B [Source:HGNC Symbol;Acc:HGNC:28448]	protein coding	0.9933	2.8854	13.9311	0.0002	0.0138
ENSG00000240809		CAP, adenylate cyclase-associated protein 1 (yeast) (CAP1) pseudogene	processed pseudo-gene	-0.9898	2.8029	13.6495	0.0002	0.015
ENSG00000280411	IGHV1-69D	immunoglobulin heavy variable 1-69D [Source:HGNC Symbol;Acc:HGNC:49601]	IG V gene	-0.9890	3.7819	16.7040	<0.0001	0.0054
ENSG00000224086	PPM1F-AS1	PPM1F antisense 1 [Source:HGNC Symbol;Acc:HGNC:40888]	RNA lncRNA	0.9822	2.4185	10.1750	0.0014	0.0421
ENSG00000167524	RSKR	ribosomal protein S6 related [Source:HGNC Symbol;Acc:HGNC:26314]	kinase protein coding	0.9811	2.4456	14.6737	0.0001	0.0112
ENSG00000211904	IGHJ2	immunoglobulin heavy joining 2 [Source:HGNC Symbol;Acc:HGNC:5534]	IG J gene	-0.9727	2.2662	9.8546	0.0017	0.0448
ENSG00000259856	RAB43P1	RAB43 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:33153]	processed pseudo-gene	-0.9721	1.5545	19.2733	<0.0001	0.0025
ENSG00000226666	HSPA9P1	heat shock protein family A (Hsp70) member 9 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:24915]	processed pseudo-gene	-0.9690	2.6885	19.3440	<0.0001	0.0025
ENSG00000254893		RAP1B, member of RAS oncogene family pseudogene	translated processed pseudo-gene	-0.9647	3.2994	13.3532	0.0003	0.0167
ENSG00000025708	TYMP	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	protein coding	0.9590	7.1685	14.3996	0.0001	0.012

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000270550	IGHV3-30	immunoglobulin heavy variable 3-30 [Source:HGNC Symbol;Acc:HGNC:5591]	IG V gene	-0.9586	4.9638	10.4998	0.0012	0.0392
ENSG00000274576	IGHV2-70	immunoglobulin heavy variable 2-70 [Source:HGNC Symbol;Acc:HGNC:5577]	IG V gene	-0.9556	2.0828	14.1950	0.0002	0.0126
ENSG00000244153	WWP1P1	WW domain containing E3 ubiquitin protein ligase 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:48944]	processed pseudo-gene	-0.9533	1.9666	13.1370	0.0003	0.0177
ENSG00000229161	TCP1P1	t-complex 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:11659]	unprocessed pseudo-gene	-0.9530	1.7221	19.2546	<0.0001	0.0025
ENSG00000226419	SLC16A1-AS1	SLC16A1 antisense 1 [Source:HGNC Symbol;Acc:HGNC:49445]	lncRNA	0.9511	3.8142	14.3179	0.0002	0.0121
ENSG00000267519	NAP1L4P1	novel transcript	lncRNA	0.9499	3.2941	10.4123	0.0013	0.0401
ENSG00000177173		nucleosome assembly protein 1 like 4 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:39740]	processed pseudo-gene	-0.9485	1.2914	11.9654	0.0005	0.0252
ENSG00000125148	MT2A	metallothionein 2A [Source:HGNC Symbol;Acc:HGNC:7406]	protein coding	0.9483	5.5605	32.8619	<0.0001	<0.0001
ENSG00000267554		RAB32, member RAS oncogene family (RAB32) pseudogene	processed pseudo-gene	0.9446	2.6336	15.9787	<0.0001	0.007
ENSG00000260236		novel transcript, antisense to PTPN23	lncRNA	0.9444	1.7522	14.7629	0.0001	0.0109
ENSG00000273654		citrate synthase (CS) pseudogene	transcribed processed pseudo-gene	-0.9379	1.7821	14.3035	0.0002	0.0121
ENSG00000160932	LY6E	lymphocyte antigen 6 family member E [Source:HGNC Symbol;Acc:HGNC:6727]	protein coding	0.9333	8.6294	22.3580	<0.0001	0.0008
ENSG00000211640	IGLV6-57	immunoglobulin lambda variable 6-57 [Source:HGNC Symbol;Acc:HGNC:5927]	IG V gene	-0.9311	4.6765	22.9795	<0.0001	0.0008

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000100429	HDAC10	histone deacetylase 10 [Source:HGNC Symbol;Acc:HGNC:18128]	protein coding	0.9280	1.7995	20.7609	<0.0001	0.0015
ENSG00000215492	HNRNPA1P7	heterogeneous nuclear ribonucleoprotein A1 pseudogene 7 [Source:HGNC Symbol;Acc:HGNC:31015]	processed pseudo-gene	-0.9270	5.3229	25.9619	<0.0001	0.0003
ENSG00000136925	TSTD2	thiosulfate sulfurtransferase like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30087]	protein coding	-0.9260	2.4689	9.6720	0.0019	0.0477
ENSG00000211951	IGHV2-26	immunoglobulin heavy variable 2-26 [Source:HGNC Symbol;Acc:HGNC:5575]	IG V gene	-0.9256	2.5707	9.6286	0.0019	0.0482
ENSG00000019995	ZRANB1	zinc finger RANBP2-type containing 1 [Source:HGNC Symbol;Acc:HGNC:18224]	protein coding	-0.9250	3.5612	12.4436	0.0004	0.0217
ENSG00000180581	SRP9P1	signal recognition particle 9 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:23402]	processed pseudo-gene	-0.9203	1.7280	10.3229	0.0013	0.0408
ENSG00000211900	IGHJ6	immunoglobulin heavy joining 6 [Source:HGNC Symbol;Acc:HGNC:5540]	IG J gene	-0.9196	4.0683	10.7216	0.0011	0.037
ENSG00000179899	PHC1P1	polyhomeotic homolog 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:34502]	processed pseudo-gene	-0.9172	1.6555	10.6012	0.0011	0.0381
ENSG00000237350	CDC42P6	cell division cycle 42 pseudogene 6 [Source:HGNC Symbol;Acc:HGNC:44430]	processed pseudo-gene	-0.9160	4.2512	21.7305	<0.0001	0.0011
ENSG00000254505	CHMP4A	charged multivesicular body protein 4A [Source:HGNC Symbol;Acc:HGNC:20274]	protein coding	0.9156	3.2859	14.0383	0.0002	0.0134
ENSG00000055332	EIF2AK2	eukaryotic translation initiation factor 2 alpha kinase 2 [Source:HGNC Symbol;Acc:HGNC:9437]	protein coding	0.9153	5.6840	17.1242	<0.0001	0.0047
ENSG00000278196	IGLV2-8	immunoglobulin lambda variable 2-8 [Source:HGNC Symbol;Acc:HGNC:5895]	IG V gene	-0.9141	4.7891	12.6935	0.0004	0.0203

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000100129	EIF3L	eukaryotic translation initiation factor 3 subunit L [Source:HGNC Symbol;Acc:HGNC:18138]	protein coding	-0.9106	7.4929	11.2483	0.0008	0.0319
ENSG00000211956	IGHV4-34	immunoglobulin heavy variable 4-34 [Source:HGNC Symbol;Acc:HGNC:5650]	IG V gene	-0.9092	4.9893	13.9479	0.0002	0.0138
ENSG00000211938	IGHV3-7	immunoglobulin heavy variable 3-7 [Source:HGNC Symbol;Acc:HGNC:5620]	IG V gene	-0.8982	4.2209	12.8304	0.0003	0.0194
ENSG00000211666	IGLV2-14	immunoglobulin lambda variable 2-14 [Source:HGNC Symbol;Acc:HGNC:5888]	IG V gene	-0.8967	5.9259	15.7844	<0.0001	0.0074
ENSG00000135318	NT5E	5'-nucleotidase [Source:HGNC Symbol;Acc:HGNC:8021]	ecto protein coding	-0.8963	4.1818	12.6737	0.0004	0.0205
ENSG00000163319	MRPS18C	mitochondrial ribosomal protein S18C [Source:HGNC Symbol;Acc:HGNC:16633]	protein coding	0.8927	3.4534	18.6549	<0.0001	0.003
ENSG00000100902	PSMA6	proteasome 20S subunit alpha 6 [Source:HGNC Symbol;Acc:HGNC:9535]	protein coding	0.8901	2.9016	16.1981	<0.0001	0.0064
ENSG00000139626	ITGB7	integrin subunit beta 7 [Source:HGNC Symbol;Acc:HGNC:6162]	protein coding	-0.8831	5.3830	10.4327	0.0012	0.0399
ENSG00000174791	RIN1	Ras and Rab interactor 1 [Source:HGNC Symbol;Acc:HGNC:18749]	protein coding	0.8785	3.1924	13.0456	0.0003	0.018
ENSG00000211598	IGKV4-1	immunoglobulin kappa variable 4-1 [Source:HGNC Symbol;Acc:HGNC:5834]	IG V gene	-0.8738	6.8867	17.9698	<0.0001	0.0035
ENSG00000215482	CALM2P3	calmodulin 2 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:1448]	processed pseudo-gene	-0.8713	1.5759	13.9799	0.0002	0.0136
ENSG00000280047	TEC	TEC	TEC	0.8713	2.2424	9.6541	0.0019	0.0479
ENSG00000211959	IGHV4-39	immunoglobulin heavy variable 4-39 [Source:HGNC Symbol;Acc:HGNC:5651]	IG V gene	-0.8706	5.0707	9.6464	0.0019	0.048

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000232024	LSM12P1	LSM12 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:32453]	processed pseudo-gene	-0.8702	1.8351	11.1319	0.0008	0.0329
ENSG00000226688	ENTPD1-AS1	ENTPD1 antisense 1 [Source:HGNC Symbol;Acc:HGNC:45203]	RNA lncRNA	0.8646	2.1844	11.3423	0.0008	0.031
ENSG00000105404	RABAC1	Rab acceptor 1 [Source:HGNC Symbol;Acc:HGNC:9794]	protein coding	0.8622	4.2213	23.7548	<0.0001	0.0006
ENSG00000259137		chromosome 11 open reading frame 58 (C11orf58) pseudogene	processed pseudo-gene	-0.8586	1.9108	12.3122	0.0004	0.0226
ENSG00000245532	NEAT1	nuclear paraspeckle assembly transcript 1 [Source:HGNC Symbol;Acc:HGNC:30815]	lncRNA	0.8571	9.2373	18.5591	<0.0001	0.0031
ENSG00000230409	TCEA1P2	transcription elongation factor A1 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:29891]	processed pseudo-gene	-0.8567	2.0114	10.2914	0.0013	0.0408
ENSG00000196604	POTEF	POTE ankyrin domain family member F [Source:HGNC Symbol;Acc:HGNC:33905]	protein coding	-0.8564	3.6843	18.2570	<0.0001	0.0033
ENSG00000134070	IRAK2	interleukin 1 receptor associated kinase 2 [Source:HGNC Symbol;Acc:HGNC:6113]	protein coding	-0.8537	2.7006	13.3807	0.0003	0.0167
ENSG00000130487	KLHDC7B	kelch domain containing 7B [Source:HGNC Symbol;Acc:HGNC:25145]	protein coding	0.8514	4.1501	27.8965	<0.0001	0.0001
ENSG00000176986	SEC24C	SEC24 homolog C, COPII coat complex component [Source:HGNC Symbol;Acc:HGNC:10705]	protein coding	-0.8499	4.4607	9.9671	0.0016	0.0439
ENSG00000211933	IGHV6-1	immunoglobulin heavy variable 6-1 [Source:HGNC Symbol;Acc:HGNC:5662]	IG V gene	-0.8473	3.4834	11.0994	0.0009	0.0329
ENSG00000151846	PABPC3	poly(A) binding protein cytoplasmic 3 [Source:HGNC Symbol;Acc:HGNC:8556]	protein coding	-0.8469	6.6428	22.8396	<0.0001	0.0008
ENSG00000211653	IGLV1-40	immunoglobulin lambda variable 1-40 [Source:HGNC Symbol;Acc:HGNC:5877]	IG V gene	-0.8469	4.4582	9.5231	0.002	0.0494

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000273445		novel transcript	lncRNA	0.8456	1.7843	16.4536	<0.0001	0.0058
ENSG00000212907	MT-ND4L	mitochondrially encoded NADH:ubiquinone oxi- doreductase core subunit 4L [Source:HGNC Sym- bol;Acc:HGNC:7460]	protein coding	-0.8444	9.7894	10.1707	0.0014	0.0421
ENSG00000287733		novel transcript	lncRNA	0.8442	1.1929	10.1855	0.0014	0.0421
ENSG00000213236	YWHAZP2	tyrosine 3- monooxygenase/tryptophan 5-monooxygenase activa- tion protein zeta pseudo- gene 2 [Source:HGNC Sym- bol;Acc:HGNC:31078]	processed pseudo- gene	-0.8427	2.5310	11.8218	0.0006	0.0265
ENSG00000244575	IGKV1-27	immunoglobulin kappa variable 1-27 [Source:HGNC Sym- bol;Acc:HGNC:5735]	IG V gene	-0.8412	3.7245	20.0693	<0.0001	0.0019
ENSG00000211943	IGHV3-15	immunoglobulin heavy variable 3-15 [Source:HGNC Sym- bol;Acc:HGNC:5582]	IG V gene	-0.8405	4.3124	11.3265	0.0008	0.0311
ENSG00000198744	MTCO3P12	MT-CO3 pseudogene 12 [Source:HGNC Sym- bol;Acc:HGNC:52042]	unprocessed pseudo- gene	-0.8392	7.0863	12.0866	0.0005	0.0241
ENSG00000251546	IGKV1D-39	immunoglobulin kappa vari- able 1D-39 [Source:HGNC Symbol;Acc:HGNC:5756]	IG V gene	-0.8379	3.8308	9.4928	0.0021	0.0497
ENSG00000241351	IGKV3-11	immunoglobulin kappa variable 3-11 [Source:HGNC Sym- bol;Acc:HGNC:5815]	IG V gene	-0.8378	5.2138	10.1077	0.0015	0.0424
ENSG00000239951	IGKV3-20	immunoglobulin kappa variable 3-20 [Source:HGNC Sym- bol;Acc:HGNC:5817]	IG V gene	-0.8344	6.2640	14.2135	0.0002	0.0126
ENSG00000010327	STAB1	stabilin 1 [Source:HGNC Sym- bol;Acc:HGNC:18628]	protein coding	0.8335	5.0204	18.7518	<0.0001	0.003
ENSG00000197061	H4C3	H4 clustered histone 3 [Source:HGNC Sym- bol;Acc:HGNC:4787]	protein coding	0.8326	1.7165	12.8202	0.0003	0.0194
ENSG00000244879	GABPB1-AS1	GABPB1 antisense RNA 1 [Source:HGNC Sym- bol;Acc:HGNC:44157]	lncRNA	0.8311	6.0144	9.5366	0.002	0.0493

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000132405	TBC1D14	TBC1 domain family member 14 [Source:HGNC Symbol;Acc:HGNC:29246]	protein coding	-0.8307	4.6474	10.0500	0.0015	0.0428
ENSG00000223825	DAZAP2P1	DAZ associated protein 2 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:43869]	processed pseudo-gene	-0.8307	2.4598	10.0411	0.0015	0.0428
ENSG00000243547	HNRNPKP4	heterogeneous nuclear ribonucleoprotein K pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:42377]	processed pseudo-gene	-0.8303	4.2363	16.7221	<0.0001	0.0054
ENSG00000187193	MT1X	metallothionein 1X [Source:HGNC Symbol;Acc:HGNC:7405]	protein coding	0.8258	1.9819	15.4855	<0.0001	0.0081
ENSG00000279722		novel transcript	TEC	0.8245	2.1856	10.6147	0.0011	0.038
ENSG00000260711		novel transcript, intronic to CATSPERB	lncRNA	0.8230	2.3362	12.3764	0.0004	0.0221
ENSG00000169715	MT1E	metallothionein 1E [Source:HGNC Symbol;Acc:HGNC:7397]	protein coding	0.8194	3.1640	24.8101	<0.0001	0.0004
ENSG00000248099	INSL3	insulin like 3 [Source:HGNC Symbol;Acc:HGNC:6086]	protein coding	0.8188	2.2886	11.9939	0.0005	0.025
ENSG00000260290		non-POU domain containing, octamer-binding (NONO) pseudogene	processed pseudo-gene	-0.8177	3.2438	15.4884	<0.0001	0.0081
ENSG00000135862	LAMC1	laminin subunit gamma 1 [Source:HGNC Symbol;Acc:HGNC:6492]	protein coding	-0.8175	3.5935	19.4743	<0.0001	0.0024
ENSG00000184613	NELL2	neural EGFL like 2 [Source:HGNC Symbol;Acc:HGNC:7751]	protein coding	-0.8154	5.9167	14.4840	0.0001	0.0119
ENSG00000130589	HELZ2	helicase with zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:30021]	protein coding	0.8134	6.3583	18.8832	<0.0001	0.0028
ENSG00000131236	CAP1	cyclase associated actin cytoskeleton regulatory protein 1 [Source:HGNC Symbol;Acc:HGNC:20040]	protein coding	-0.8134	6.5242	10.0077	0.0016	0.0434

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000213881	NPM1P6	nucleophosmin 1 pseudo-gene 6 [Source:HGNC Symbol;Acc:HGNC:7926]	processed pseudo-gene	-0.8077	2.3910	13.0953	0.0003	0.0179
ENSG00000229944	EIF4EP2	eukaryotic translation initiation factor 4E pseudo-gene 2 [Source:HGNC Symbol;Acc:HGNC:32428]	processed pseudo-gene	-0.8073	1.9061	11.7430	0.0006	0.0272
ENSG00000166803	PCLAF	PCNA clamp associated factor [Source:HGNC Symbol;Acc:HGNC:28961]	protein coding	0.8060	2.2772	14.2765	0.0002	0.0122
ENSG00000224427		pseudogene similar to part of ribosomal protein L10 (RPL10)	processed pseudo-gene	-0.8049	1.9842	9.5048	0.002	0.0496
ENSG00000089127	OAS1	2'-5'-oligoadenylate synthetase 1 [Source:HGNC Symbol;Acc:HGNC:8086]	protein coding	0.8042	6.8757	13.1581	0.0003	0.0176
ENSG00000123360	PDE1B	phosphodiesterase 1B [Source:HGNC Symbol;Acc:HGNC:8775]	protein coding	0.8011	3.0219	13.2648	0.0003	0.0172
ENSG00000169385	RNASE2	ribonuclease A family member 2 [Source:HGNC Symbol;Acc:HGNC:10045]	protein coding	0.8009	3.6231	20.8874	<0.0001	0.0015
ENSG00000233111	RAB1C	RAB1C, member RAS oncogene family pseudo-gene [Source:HGNC Symbol;Acc:HGNC:23683]	processed pseudo-gene	-0.8007	1.9123	12.6587	0.0004	0.0205
ENSG00000196205	EEF1A1P5	eukaryotic translation elongation factor 1 alpha 1 pseudo-gene 5 [Source:HGNC Symbol;Acc:HGNC:3200]	processed pseudo-gene	-0.8006	9.9553	17.1039	<0.0001	0.0047
ENSG00000102524	TNFSF13B	TNF superfamily member 13b [Source:HGNC Symbol;Acc:HGNC:11929]	protein coding	0.7977	5.6271	13.7839	0.0002	0.0144
ENSG00000248854	HNRNPH1P3	heterogeneous nuclear ribonucleoprotein H1 pseudo-gene 3 [Source:HGNC Symbol;Acc:HGNC:48811]	processed pseudo-gene	-0.7960	2.1994	13.4717	0.0002	0.0164

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000139618	BRCA2	BRCA2 DNA repair associated [Source:HGNC Symbol;Acc:HGNC:1101]	protein coding	0.7951	2.3053	10.7294	0.0011	0.037
ENSG00000234645	YWHAEP5	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon pseudo-gene 5 [Source:HGNC Symbol;Acc:HGNC:49439]	processed pseudo-gene	-0.7950	1.5225	13.8818	0.0002	0.0139
ENSG00000163755	HPS3	HPS3 biogenesis of lysosomal organelles complex 2 subunit 1 [Source:HGNC Symbol;Acc:HGNC:15597]	protein coding	-0.7911	4.3910	10.0413	0.0015	0.0428
ENSG00000227218		novel transcript	lncRNA	0.7881	2.8611	10.5501	0.0012	0.0387
ENSG00000142552	RCN3	reticulocalbin 3 [Source:HGNC Symbol;Acc:HGNC:21145]	protein coding	0.7876	3.3419	13.0600	0.0003	0.018
ENSG00000230584	CCT5P2	chaperonin containing TCP1 subunit 5 pseudo-gene 2 [Source:HGNC Symbol;Acc:HGNC:35139]	processed pseudo-gene	-0.7865	1.6271	11.1261	0.0009	0.0329
ENSG00000204920	ZNF155	zinc finger protein 155 [Source:HGNC Symbol;Acc:HGNC:12940]	protein coding	-0.7836	1.3529	11.0529	0.0009	0.0333
ENSG00000240395	RPL5P23	ribosomal protein L5 pseudo-gene 23 [Source:HGNC Symbol;Acc:HGNC:36553]	processed pseudo-gene	-0.7829	5.3657	19.1412	<0.0001	0.0026
ENSG00000214192	UBE2V1P2	ubiquitin conjugating enzyme E2 V1 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:32648]	processed pseudo-gene	-0.7829	1.4309	12.2721	0.0005	0.0226
ENSG00000263232	ATP5F1AP3	ATP synthase F1 subunit alpha pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:829]	processed pseudo-gene	-0.7829	2.7291	16.5093	<0.0001	0.0057
ENSG00000107242	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase type 1 beta [Source:HGNC Symbol;Acc:HGNC:8995]	protein coding	-0.7803	3.1558	10.6269	0.0011	0.038

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000198406	BZW1P2	basic leucine zipper and W2 domains 1 pseudo-gene 2 [Source:HGNC Symbol;Acc:HGNC:33954]	processed pseudo-gene	-0.7768	2.2951	11.2458	0.0008	0.0319
ENSG00000234145	NAP1L4P3	nucleosome assembly protein 1 like 4 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:39738]	processed pseudo-gene	-0.7735	3.2235	15.8375	<0.0001	0.0074
ENSG00000164649	CDCA7L	cell division cycle associated 7 like [Source:HGNC Symbol;Acc:HGNC:30777]	protein coding	-0.7727	5.1310	15.6432	<0.0001	0.0077
ENSG00000181722	ZBTB20	zinc finger and BTB domain containing 20 [Source:HGNC Symbol;Acc:HGNC:13503]	protein coding	0.7714	4.4851	18.0195	<0.0001	0.0035
ENSG00000204434	POTEKP	POTE ankyrin domain family member K, pseudo-gene [Source:HGNC Symbol;Acc:HGNC:30182]	unprocessed pseudo-gene	-0.7704	3.6153	10.3452	0.0013	0.0406
ENSG00000253998	IGKV2-29	immunoglobulin kappa variable 2-29 (gene/pseudo-gene) [Source:HGNC Symbol;Acc:HGNC:5784]	IG V pseudo-gene	-0.7686	2.8083	9.8956	0.0017	0.0444
ENSG00000267920	SNX6P1	sorting nexin 6 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:41511]	processed pseudo-gene	-0.7686	1.4371	9.9652	0.0016	0.0439
ENSG00000213300	HNRNPA3P6	heterogeneous nuclear ribonucleoprotein A3 pseudo-gene 6 [Source:HGNC Symbol;Acc:HGNC:48495]	processed pseudo-gene	-0.7665	3.1334	13.3664	0.0003	0.0167
ENSG00000165650	PDZD8	PDZ domain containing 8 [Source:HGNC Symbol;Acc:HGNC:26974]	protein coding	-0.7626	3.4814	11.8576	0.0006	0.0263
ENSG00000234241		NS1-associated protein 1 (NSAP1) pseudogene	processed pseudo-gene	-0.7621	1.8436	10.1406	0.0015	0.0423
ENSG00000256238	SUPT16HP1	SPT16 homolog, facilitates chromatin remodeling subunit pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:31388]	processed pseudo-gene	-0.7616	1.6634	9.6980	0.0018	0.0474

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000242086	MUC20-OT1	MUC20 overlapping transcript [Source:HGNC Symbol;Acc:HGNC:53807]	transcript Sym-lncRNA	0.7597	4.8459	12.0987	0.0005	0.0241
ENSG00000247627	MTND4P12	MT-ND4 12 [Source:HGNC Symbol;Acc:HGNC:42199]	pseudogene processed pseudo-gene	-0.7587	7.6675	10.5542	0.0012	0.0387
ENSG00000213462	ERV3-1	endogenous group 3 member 1, envelope [Source:HGNC Symbol;Acc:HGNC:3454]	retrovirus protein coding	0.7574	2.8351	10.8613	0.001	0.0351
ENSG00000235082	SUMO1P3	SUMO1 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:33150]	processed pseudo-gene	-0.7574	1.8482	10.2879	0.0013	0.0408
ENSG00000237984	PTENP1	phosphatase and tensin homolog pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:9589]	transcribed processed pseudo-gene	-0.7568	1.9745	12.1503	0.0005	0.0237
ENSG00000100412	ACO2	aconitase 2 [Source:HGNC Symbol;Acc:HGNC:118]	protein coding	-0.7563	5.5099	12.8526	0.0003	0.0193
ENSG00000197258	EIF4BP6	eukaryotic translation initiation factor 4B pseudogene 6 [Source:HGNC Symbol;Acc:HGNC:37939]	processed pseudo-gene	-0.7555	4.8179	19.3157	<0.0001	0.0025
ENSG00000213763	ACTBP2	ACTB pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:135]	processed pseudo-gene	-0.7545	4.3445	12.6223	0.0004	0.0205
ENSG00000231120	BTF3P10	basic transcription factor 3 pseudogene 10 [Source:HGNC Symbol;Acc:HGNC:38570]	processed pseudo-gene	-0.7523	3.6131	18.8955	<0.0001	0.0028
ENSG00000255642	PABPC1P4	poly(A) binding protein 1 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:8563]	processed pseudo-gene	-0.7499	6.0256	21.3033	<0.0001	0.0013
ENSG00000108771	DHX58	DExH-box helicase 58 [Source:HGNC Symbol;Acc:HGNC:29517]	protein coding	0.7490	5.4550	17.4993	<0.0001	0.0043
ENSG00000215067	ALOX12-AS1	ALOX12 antisense 1 [Source:HGNC Symbol;Acc:HGNC:51342]	RNA Sym-lncRNA	0.7479	3.7055	11.0353	0.0009	0.0335

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000175602	CCDC85B	coiled-coil domain containing 85B [Source:HGNC Symbol;Acc:HGNC:24926]	protein coding	0.7477	4.4064	17.1003	<0.0001	0.0047
ENSG00000180867	PDIA3P1	protein disulfide isomerase family A member 3 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:4607]	transcribed processed pseudo-gene	-0.7475	4.5251	13.3786	0.0003	0.0167
ENSG00000242472	IGHJ5	immunoglobulin heavy joining 5 [Source:HGNC Symbol;Acc:HGNC:5539]	IG J gene	-0.7448	3.5422	9.6389	0.0019	0.048
ENSG00000211648	IGLV1-47	immunoglobulin lambda variable 1-47 [Source:HGNC Symbol;Acc:HGNC:5880]	IG V gene	-0.7444	4.6902	10.4652	0.0012	0.0396
ENSG00000092853	CLSPN	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	protein coding	0.7436	3.1556	13.7248	0.0002	0.0148
ENSG00000174501	ANKRD36C	ankyrin repeat domain 36C [Source:HGNC Symbol;Acc:HGNC:32946]	protein coding	0.7401	4.4827	14.3815	0.0001	0.012
ENSG00000257122	RRN3P3	RRN3 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:37620]	transcribed unprocessed pseudo-gene	0.7399	4.5315	10.4844	0.0012	0.0394
ENSG00000213876	RPL7AP64	ribosomal protein L7a pseudogene 64 [Source:HGNC Symbol;Acc:HGNC:35821]	processed pseudo-gene	0.7388	3.3377	13.8138	0.0002	0.0142
ENSG00000158481	CD1C	CD1c molecule [Source:HGNC Symbol;Acc:HGNC:1636]	protein coding	-0.7376	5.2222	15.0423	0.0001	0.0098
ENSG00000058091	CDK14	cyclin dependent kinase 14 [Source:HGNC Symbol;Acc:HGNC:8883]	protein coding	-0.7341	3.1313	13.3807	0.0003	0.0167
ENSG00000068079	IFI35	interferon induced protein 35 [Source:HGNC Symbol;Acc:HGNC:5399]	protein coding	0.7300	6.4503	17.0483	<0.0001	0.0047
ENSG00000285665		DNA topoisomerase I pseudogene 1	processed pseudo-gene	-0.7271	1.4522	9.7685	0.0018	0.0464

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000145246	ATP10D	ATPase phospholipid transporting 10D (putative) [Source:HGNC Symbol;Acc:HGNC:13549]	protein coding	-0.7260	3.5106	10.2591	0.0014	0.041
ENSG00000213149	CNN2P9	calponin 2 pseudogene 9 [Source:HGNC Symbol;Acc:HGNC:39534]	processed pseudo-gene	-0.7253	2.2766	12.4560	0.0004	0.0216
ENSG00000206573	THUMP3-AS1	THUMP3 antisense 1 [Source:HGNC Symbol;Acc:HGNC:44478]	RNA lncRNA	0.7233	5.2709	10.3252	0.0013	0.0408
ENSG00000232727	YWHAEP1	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:49442]	processed pseudo-gene	-0.7217	1.5225	9.4623	0.0021	0.05
ENSG00000109436	TBC1D9	TBC1 domain family member 9 [Source:HGNC Symbol;Acc:HGNC:21710]	protein coding	-0.7213	4.6241	16.5354	<0.0001	0.0057
ENSG00000130202	NECTIN2	nectin cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:9707]	protein coding	0.7205	2.3939	10.0264	0.0015	0.043
ENSG00000240489	SETP14	SET pseudogene 14 [Source:HGNC Symbol;Acc:HGNC:42933]	processed pseudo-gene	-0.7203	3.5157	13.2486	0.0003	0.0173
ENSG00000161677	JOSD2	Josephin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28853]	protein coding	0.7199	3.5072	18.1712	<0.0001	0.0034
ENSG00000188856	RPSAP47	ribosomal protein SA pseudogene 47 [Source:HGNC Symbol;Acc:HGNC:36162]	processed pseudo-gene	-0.7197	2.6299	9.7738	0.0018	0.0463
ENSG00000225259	ST13P6	ST13, Hsp70 interacting protein pseudogene 6 [Source:HGNC Symbol;Acc:HGNC:18557]	processed pseudo-gene	-0.7190	2.1601	9.9231	0.0016	0.0444
ENSG00000282851	BISPR	BST2 interferon stimulated positive regulator [Source:HGNC Symbol;Acc:HGNC:51290]	RNA lncRNA	0.7188	4.0962	12.1922	0.0005	0.0234
ENSG00000166341	DCHS1	dachsous cadherin-related 1 [Source:HGNC Symbol;Acc:HGNC:13681]	protein coding	-0.7187	4.4072	10.3870	0.0013	0.0404

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000158623	COPG2	COPI coat complex subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:2237]	protein coding	-0.7178	2.9731	9.8154	0.0017	0.0457
ENSG00000180530	NRIP1	nuclear receptor interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:8001]	protein coding	-0.7170	3.8349	11.6904	0.0006	0.0274
ENSG00000213790	OLA1P1	OLA1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:45274]	processed pseudo-gene	-0.7160	2.7368	12.0240	0.0005	0.0248
ENSG00000172059	KLF11	Kruppel like factor 11 [Source:HGNC Symbol;Acc:HGNC:11811]	protein coding	-0.7155	3.2593	11.4615	0.0007	0.03
ENSG00000161944	ASGR2	asialoglycoprotein receptor 2 [Source:HGNC Symbol;Acc:HGNC:743]	protein coding	0.7144	4.6047	17.1804	<0.0001	0.0047
ENSG00000196358	NTNG2	netrin G2 [Source:HGNC Symbol;Acc:HGNC:14288]	protein coding	0.7130	2.2402	10.3795	0.0013	0.0404
ENSG00000112195	TREML2	triggering receptor expressed on myeloid cells like 2 [Source:HGNC Symbol;Acc:HGNC:21092]	protein coding	-0.7111	5.7034	13.8924	0.0002	0.0139
ENSG00000243238	IGKV2-30	immunoglobulin kappa variable 2-30 [Source:HGNC Symbol;Acc:HGNC:5785]	IG V gene	-0.7051	3.4875	11.3492	0.0008	0.031
ENSG00000111752	PHC1	polyhomeotic homolog 1 [Source:HGNC Symbol;Acc:HGNC:3182]	protein coding	-0.7044	4.1393	10.5150	0.0012	0.0391
ENSG00000169136	ATF5	activating transcription factor 5 [Source:HGNC Symbol;Acc:HGNC:790]	protein coding	0.7033	4.1238	17.1326	<0.0001	0.0047
ENSG00000112651	MRPL2	mitochondrial ribosomal protein L2 [Source:HGNC Symbol;Acc:HGNC:14056]	protein coding	0.7020	1.9119	10.2603	0.0014	0.041
ENSG00000162840	MT2P1	metallothionein 2 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:7407]	processed pseudo-gene	0.7016	2.7532	13.1950	0.0003	0.0175
ENSG00000171940	ZNF217	zinc finger protein 217 [Source:HGNC Symbol;Acc:HGNC:13009]	protein coding	-0.7010	6.8140	9.5954	0.002	0.0484

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000242265	PEG10	paternally expressed 10 [Source:HGNC Symbol;Acc:HGNC:14005]	protein coding	-0.7002	2.1562	10.2573	0.0014	0.041
ENSG00000228818		proteasome 26S non-ATPase sub-unit 2 (PSMD2) pseudogene	processed pseudo-gene	-0.6998	2.4262	10.9629	0.0009	0.0343
ENSG00000160613	PCSK7	proprotein convertase subtilisin/kexin type 7 [Source:HGNC Symbol;Acc:HGNC:8748]	protein coding	0.6968	6.7043	10.0645	0.0015	0.0428
ENSG00000213347	MXD3	MAX dimerization protein 3 [Source:HGNC Symbol;Acc:HGNC:14008]	protein coding	0.6952	2.6949	11.7920	0.0006	0.0267
ENSG00000214223	HNRNPA1P10	heterogeneous nuclear ribonucleoprotein A1 pseudogene 10 [Source:HGNC Symbol;Acc:HGNC:39128]	processed pseudo-gene	-0.6921	4.6888	20.8286	<0.0001	0.0015
ENSG00000196912	ANKRD36B	ankyrin repeat domain 36B [Source:HGNC Symbol;Acc:HGNC:29333]	protein coding	0.6896	3.4682	10.4734	0.0012	0.0395
ENSG00000269001		zinc finger protein 818, pseudo-gene	transcribed unprocessed pseudo-gene	-0.6887	2.6891	12.4913	0.0004	0.0214
ENSG00000242208	RPL5P29	ribosomal protein L5 pseudogene 29 [Source:HGNC Symbol;Acc:HGNC:36335]	processed pseudo-gene	-0.6885	3.8909	9.7099	0.0018	0.0472
ENSG00000051128	HOMER3	homer scaffold protein 3 [Source:HGNC Symbol;Acc:HGNC:17514]	protein coding	0.6877	1.7003	10.3048	0.0013	0.0408
ENSG00000120868	APAF1	apoptotic peptidase activating factor 1 [Source:HGNC Symbol;Acc:HGNC:576]	protein coding	-0.6856	4.3169	10.3535	0.0013	0.0406
ENSG00000248684	BIN2P2	bridging integrator 2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:43661]	processed pseudo-gene	-0.6852	1.5441	9.4518	0.0021	0.05
ENSG00000271856	LINC01215	long intergenic non-protein coding RNA 1215 [Source:HGNC Symbol;Acc:HGNC:49651]	lncRNA	-0.6826	4.9761	13.8903	0.0002	0.0139

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000076944	STXBP2	syntaxin binding protein 2 [Source:HGNC Symbol;Acc:HGNC:11445]	protein coding	0.6821	6.8908	17.8408	<0.0001	0.0037
ENSG00000111962	UST	uronyl 2-sulfotransferase [Source:HGNC Symbol;Acc:HGNC:17223]	protein coding	-0.6811	2.8029	13.0477	0.0003	0.018
ENSG00000115020	PIKFYVE	phosphoinositide kinase, FYVE-type zinc finger containing [Source:HGNC Symbol;Acc:HGNC:23785]	protein coding	-0.6778	5.0859	14.7994	0.0001	0.0108
ENSG00000176624	MEX3C	mex-3 RNA binding family member C [Source:HGNC Symbol;Acc:HGNC:28040]	protein coding	-0.6778	5.3473	10.0979	0.0015	0.0424
ENSG00000168961	LGALS9	galectin 9 [Source:HGNC Symbol;Acc:HGNC:6570]	protein coding	0.6771	7.5572	19.3637	<0.0001	0.0025
ENSG00000244754	N4BP2L2	NEDD4 binding protein 2 like 2 [Source:HGNC Symbol;Acc:HGNC:26916]	protein coding	0.6757	7.2902	9.4670	0.0021	0.05
ENSG00000225648	SBDSP1	SBDS pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:21646]	transcribed unprocessed pseudogene	-0.6741	3.6689	11.6411	0.0006	0.0278
ENSG00000088812	ATRN	attractin [Source:HGNC Symbol;Acc:HGNC:885]	protein coding	-0.6717	4.1854	12.1901	0.0005	0.0234
ENSG00000178464	RPL10P16	ribosomal protein L10 pseudogene 16 [Source:HGNC Symbol;Acc:HGNC:36882]	processed pseudogene	-0.6708	8.1763	12.9608	0.0003	0.0185
ENSG00000120278	PLEKHG1	pleckstrin homology and RhoGEF domain containing G1 [Source:HGNC Symbol;Acc:HGNC:20884]	protein coding	-0.6704	4.2409	18.0584	<0.0001	0.0035
ENSG00000146592	CREB5	cAMP responsive element binding protein 5 [Source:HGNC Symbol;Acc:HGNC:16844]	protein coding	0.6688	3.0136	11.0842	0.0009	0.0329
ENSG00000223745	CCDC18-AS1	CCDC18 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:52262]	lncRNA	0.6679	5.8564	11.8174	0.0006	0.0265

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000183022	TPM3P8	tropomyosin 3 pseudogene 8 [Source:HGNC Symbol;Acc:HGNC:39171]	processed pseudo-gene	-0.6674	2.1214	10.9416	0.0009	0.0344
ENSG00000214297	ALDOAP2	ALDOA pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:416]	processed pseudo-gene	-0.6673	2.3491	9.6080	0.0019	0.0483
ENSG00000169020	ATP5ME	ATP synthase membrane subunit e [Source:HGNC Symbol;Acc:HGNC:846]	protein coding	0.6664	6.1203	20.4760	<0.0001	0.0017
ENSG00000075399	VPS9D1	VPS9 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:13526]	protein coding	0.6661	4.2194	13.4161	0.0002	0.0167
ENSG00000237296	SMG1P1	SMG1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:44186]	transcribed unprocessed pseudo-gene	-0.6648	1.1905	9.5997	0.0019	0.0484
ENSG00000257616		DEAD (Asp-Glu-Ala-Asp) box polypeptide 23 (DDX23) pseudogene	processed pseudo-gene	-0.6646	1.3442	9.5033	0.0021	0.0496
ENSG00000136630	HLX	H2.0 like homeobox [Source:HGNC Symbol;Acc:HGNC:4978]	protein coding	0.6646	1.9693	10.5073	0.0012	0.0391
ENSG00000125107	CNOT1	CCR4-NOT transcription complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:7877]	protein coding	-0.6641	6.4829	9.9043	0.0016	0.0444
ENSG00000133789	SWAP70	switching B cell complex subunit SWAP70 [Source:HGNC Symbol;Acc:HGNC:17070]	protein coding	-0.6628	5.6988	29.2390	<0.0001	<0.0001
ENSG00000103489	XYLT1	xylosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:15516]	protein coding	-0.6617	4.7130	13.7046	0.0002	0.0148
ENSG00000230793	SMARCE1P5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 pseudogene 5 [Source:HGNC Symbol;Acc:HGNC:39734]	processed pseudo-gene	-0.6617	2.2031	9.9014	0.0017	0.0444
ENSG00000106723	SPIN1	spindlin 1 [Source:HGNC Symbol;Acc:HGNC:11243]	protein coding	-0.6614	4.6058	11.5785	0.0007	0.0286

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000109762	SNX25	sorting nexin 25 [Source:HGNC Symbol;Acc:HGNC:21883]	protein coding	-0.6600	3.6335	10.9555	0.0009	0.0343
ENSG00000075975	MKRN2	makorin ring finger protein 2 [Source:HGNC Symbol;Acc:HGNC:7113]	protein coding	-0.6599	4.6770	20.1919	<0.0001	0.0019
ENSG00000100092	SH3BP1	SH3 domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10824]	protein coding	0.6597	5.4013	19.6753	<0.0001	0.0023
ENSG00000167513	CDT1	chromatin licensing and DNA replication factor 1 [Source:HGNC Symbol;Acc:HGNC:24576]	protein coding	0.6596	3.3838	13.1778	0.0003	0.0175
ENSG00000249119	MTND6P4	MT-ND6 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:39467]	processed pseudo-gene	-0.6591	4.0379	17.1827	<0.0001	0.0047
ENSG00000226049	TLK2P1	tousled like kinase 2 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:18048]	processed pseudo-gene	-0.6583	1.7819	9.6775	0.0019	0.0477
ENSG00000107281	NPDC1	neural proliferation, differentiation and control 1 [Source:HGNC Symbol;Acc:HGNC:7899]	protein coding	0.6578	2.6297	13.0225	0.0003	0.0182
ENSG00000253341		poly(rC) binding protein 2 (PCBP2) pseudogene	processed pseudo-gene	-0.6573	5.6147	11.8925	0.0006	0.0259
ENSG00000117322	CR2	complement C3d receptor 2 [Source:HGNC Symbol;Acc:HGNC:2336]	protein coding	-0.6554	5.4481	10.3529	0.0013	0.0406
ENSG00000173208	ABCD2	ATP binding cassette subfamily D member 2 [Source:HGNC Symbol;Acc:HGNC:66]	protein coding	-0.6542	2.9493	9.7786	0.0018	0.0463
ENSG00000241061	RPL5P1	ribosomal protein L5 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:10361]	processed pseudo-gene	-0.6537	5.1812	19.0891	<0.0001	0.0026
ENSG00000254759	NAP1L1P1	nucleosome assembly protein 1 like 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:38004]	processed pseudo-gene	-0.6530	3.6602	15.6988	<0.0001	0.0076

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000018280	SLC11A1	solute carrier family 11 member 1 [Source:HGNC Symbol;Acc:HGNC:10907]	protein coding	0.6530	6.2904	10.9239	0.0009	0.0345
ENSG00000233476	EEF1A1P6	eukaryotic translation elongation factor 1 alpha 1 pseudogene 6 [Source:HGNC Symbol;Acc:HGNC:3201]	processed pseudo-gene	-0.6501	8.7435	12.2751	0.0005	0.0226
ENSG00000091972	CD200	CD200 molecule [Source:HGNC Symbol;Acc:HGNC:7203]	protein coding	-0.6492	3.5700	10.7418	0.001	0.0369
ENSG00000198727	MT-CYB	mitochondrially encoded cytochrome b [Source:HGNC Symbol;Acc:HGNC:7427]	protein coding	-0.6479	12.5417	9.4826	0.0021	0.0499
ENSG00000214784	RPS3AP21	RPS3A pseudogene 21 [Source:HGNC Symbol;Acc:HGNC:36841]	processed pseudo-gene	-0.6477	4.8718	10.8657	0.001	0.0351
ENSG00000137492	THAP12	THAP domain containing 12 [Source:HGNC Symbol;Acc:HGNC:9440]	protein coding	-0.6449	5.8409	11.7162	0.0006	0.0274
ENSG00000143546	S100A8	S100 calcium binding protein A8 [Source:HGNC Symbol;Acc:HGNC:10498]	protein coding	0.6428	9.8770	10.3900	0.0013	0.0404
ENSG00000179195	ZNF664	zinc finger protein 664 [Source:HGNC Symbol;Acc:HGNC:25406]	protein coding	-0.6420	4.9902	12.0363	0.0005	0.0247
ENSG00000258244	OSTF1P1	osteoclast stimulating factor 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:31439]	processed pseudo-gene	-0.6414	2.1293	9.4484	0.0021	0.05
ENSG00000117036	ETV3	ETS variant transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:3492]	protein coding	-0.6414	4.2613	10.1661	0.0014	0.0421
ENSG00000237842	SMU1P1	SMU1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:54527]	processed pseudo-gene	-0.6409	1.8161	9.4546	0.0021	0.05
ENSG00000121310	ECHDC2	enoyl-CoA hydratase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23408]	protein coding	0.6394	4.9408	11.1771	0.0008	0.0325
ENSG00000163220	S100A9	S100 calcium binding protein A9 [Source:HGNC Symbol;Acc:HGNC:10499]	protein coding	0.6380	10.6412	11.3438	0.0008	0.031

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000226284	ARPC3P1	actin related protein 2/3 complex subunit 3 pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:16092]	processed pseudo-gene	-0.6368	3.5935	10.6510	0.0011	0.0377
ENSG00000228589	SPCS2P4	signal peptidase complex subunit 2 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:45237]	processed pseudo-gene	-0.6361	2.8120	10.8146	0.001	0.0358
ENSG00000131747	TOP2A	DNA topoisomerase II alpha [Source:HGNC Symbol;Acc:HGNC:11989]	protein coding	0.6338	4.5654	16.0202	<0.0001	0.0069
ENSG00000112294	ALDH5A1	aldehyde dehydrogenase 5 family member A1 [Source:HGNC Symbol;Acc:HGNC:408]	protein coding	-0.6335	4.6142	15.7812	<0.0001	0.0074
ENSG00000184588	PDE4B	phosphodiesterase 4B [Source:HGNC Symbol;Acc:HGNC:8781]	protein coding	-0.6322	5.5018	10.7199	0.0011	0.037
ENSG00000008256	CYTH3	cytohesin 3 [Source:HGNC Symbol;Acc:HGNC:9504]	protein coding	-0.6315	3.6340	13.1821	0.0003	0.0175
ENSG00000236814		proteasome (prosome, macropain) 26S subunit, ATPase, 6 (PSMC6) pseudogene	processed pseudo-gene	-0.6312	2.2894	10.6522	0.0011	0.0377
ENSG00000105963	ADAP1	ArfGAP with dual PH domains 1 [Source:HGNC Symbol;Acc:HGNC:16486]	protein coding	0.6309	3.5402	11.1826	0.0008	0.0325
ENSG00000105519	CAPS	calcyphosine [Source:HGNC Symbol;Acc:HGNC:1487]	protein coding	0.6308	4.3165	11.3258	0.0008	0.0311
ENSG00000226121	AHCTF1P1	AT-hook containing transcription factor 1 pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:24620]	processed pseudo-gene	-0.6304	2.4223	11.7382	0.0006	0.0272
ENSG00000179295	PTPN11	protein tyrosine phosphatase non-receptor type 11 [Source:HGNC Symbol;Acc:HGNC:9644]	protein coding	-0.6301	5.3617	12.8606	0.0003	0.0193
ENSG00000180574	EIF2S3B	eukaryotic translation initiation factor 2 subunit gamma B [Source:HGNC Symbol;Acc:HGNC:43863]	protein coding	-0.6295	4.4639	11.7123	0.0006	0.0274

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000124256	ZBP1	Z-DNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:16176]	protein coding	0.6258	5.2082	14.9679	0.0001	0.0101
ENSG00000282978		basic transcription factor 3 (BTF3) pseudogene	processed pseudo-gene	-0.6241	4.1748	10.2514	0.0014	0.041
ENSG00000234337		tropomyosin 1 (alpha) (TPM1) pseudogene	processed pseudo-gene	-0.6227	3.6247	11.0043	0.0009	0.0339
ENSG00000176973	FAM89B	family with sequence similarity 89 member B [Source:HGNC Symbol;Acc:HGNC:16708]	protein coding	0.6204	4.1571	10.1772	0.0014	0.0421
ENSG00000249353	NPM1P27	nucleophosmin 1 pseudo-gene 27 [Source:HGNC Symbol;Acc:HGNC:45206]	processed pseudo-gene	-0.6201	5.4425	11.2825	0.0008	0.0315
ENSG00000163328	GPR155	G protein-coupled receptor 155 [Source:HGNC Symbol;Acc:HGNC:22951]	protein coding	0.6192	5.9839	15.6358	<0.0001	0.0077
ENSG00000175193	PARL	presenilin associated rhomboid like [Source:HGNC Symbol;Acc:HGNC:18253]	protein coding	0.6171	4.1349	12.8464	0.0003	0.0193
ENSG00000130303	BST2	bone marrow stromal cell antigen 2 [Source:HGNC Symbol;Acc:HGNC:11119]	protein coding	0.6168	6.9648	13.6927	0.0002	0.0148
ENSG00000113838	TBCCD1	TBCC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25546]	protein coding	-0.6163	3.3267	10.3426	0.0013	0.0406
ENSG00000116106	EPHA4	EPH receptor A4 [Source:HGNC Symbol;Acc:HGNC:3388]	protein coding	-0.6161	4.4352	10.0820	0.0015	0.0425
ENSG00000169871	TRIM56	tripartite motif containing 56 [Source:HGNC Symbol;Acc:HGNC:19028]	protein coding	0.6157	7.5959	12.2851	0.0005	0.0226
ENSG00000081913	PHLPP1	PH domain and leucine rich repeat protein phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:20610]	protein coding	-0.6145	2.5235	10.1966	0.0014	0.0421
ENSG00000198417	MT1F	metallothionein 1F [Source:HGNC Symbol;Acc:HGNC:7398]	protein coding	0.6110	3.3642	12.1271	0.0005	0.0239

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000138778	CENPE	centromere protein E [Source:HGNC Symbol;Acc:HGNC:1856]	protein coding	0.6104	3.0793	9.9187	0.0016	0.0444
ENSG00000104918	RETN	resistin [Source:HGNC Symbol;Acc:HGNC:20389]	protein coding	0.6104	3.5075	14.0266	0.0002	0.0134
ENSG00000138496	PARP9	poly(ADP-ribose) polymerase family member 9 [Source:HGNC Symbol;Acc:HGNC:24118]	protein coding	0.6100	6.6087	10.6992	0.0011	0.0372
ENSG00000284976		novel RING finger protein	protein coding	0.6095	4.2777	16.3501	<0.0001	0.0061
ENSG00000091490	SEL1L3	SEL1L family member 3 [Source:HGNC Symbol;Acc:HGNC:29108]	protein coding	-0.6094	5.9243	10.6248	0.0011	0.038
ENSG00000183087	GAS6	growth arrest specific 6 [Source:HGNC Symbol;Acc:HGNC:4168]	protein coding	0.6088	3.4731	11.1224	0.0009	0.0329
ENSG00000237676	RPL30P4	ribosomal protein L30 pseudo-gene 4 [Source:HGNC Symbol;Acc:HGNC:35871]	processed pseudo-gene	-0.6073	6.8153	11.3937	0.0007	0.0306
ENSG00000277443	MARCKS	myristoylated alanine rich protein kinase C substrate [Source:HGNC Symbol;Acc:HGNC:6759]	protein coding	0.6064	5.6688	10.5731	0.0011	0.0385
ENSG00000256356	HSPA8P5	heat shock protein family A (Hsp70) member 8 pseudo-gene 5 [Source:HGNC Symbol;Acc:HGNC:44920]	processed pseudo-gene	-0.6039	3.5996	10.1321	0.0015	0.0424
ENSG00000178715		ribosomal protein S16 (RPS16) pseudogene	processed pseudo-gene	-0.6033	6.2250	11.7687	0.0006	0.027
ENSG00000234782	TPT1P9	tumor protein, translationally-controlled 1 pseudogene 9 [Source:HGNC Symbol;Acc:HGNC:49299]	processed pseudo-gene	-0.6018	8.6101	12.6531	0.0004	0.0205
ENSG00000240616	RPS6P25	ribosomal protein S6 pseudo-gene 25 [Source:HGNC Symbol;Acc:HGNC:35948]	processed pseudo-gene	-0.6015	5.2943	12.9225	0.0003	0.0188

Supplementary Table 11: Differentially transcribed genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000116704	SLC35D1	solute carrier family 35 member D1 [Source:HGNC Symbol;Acc:HGNC:20800]	protein coding	-0.5995	4.4618	10.5139	0.0012	0.0391
ENSG00000229833	PET100	PET100 cytochrome c oxidase chaperone [Source:HGNC Symbol;Acc:HGNC:40038]	protein coding	0.5971	4.5638	13.4055	0.0003	0.0167
ENSG00000249921		guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 (GNB2L1) pseudogene	processed pseudo-gene	-0.5969	5.6185	11.8341	0.0006	0.0264
ENSG00000231313	CLIC1P1	chloride intracellular channel 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:32691]	processed pseudo-gene	-0.5968	3.6899	12.5272	0.0004	0.0212
ENSG00000148429	USP6NL	USP6 N-terminal like [Source:HGNC Symbol;Acc:HGNC:16858]	protein coding	-0.5921	4.2334	11.9848	0.0005	0.025
ENSG00000127586	CHTF18	chromosome transmission fidelity factor 18 [Source:HGNC Symbol;Acc:HGNC:18435]	protein coding	0.5914	3.3207	10.5980	0.0011	0.0381
ENSG00000235655	H3P6	H3 histone pseudogene 6 [Source:HGNC Symbol;Acc:HGNC:42980]	processed pseudo-gene	-0.5912	5.3452	17.7776	<0.0001	0.0038
ENSG00000262246	CORO7	coronin 7 [Source:HGNC Symbol;Acc:HGNC:26161]	protein coding	0.5896	5.1287	14.5207	0.0001	0.0117
ENSG00000185347	TEDC1	tubulin epsilon and delta complex 1 [Source:HGNC Symbol;Acc:HGNC:20127]	protein coding	0.5873	2.9546	10.8750	0.001	0.0351
ENSG00000109452	INPP4B	inositol polyphosphate-4-phosphatase type II B [Source:HGNC Symbol;Acc:HGNC:6075]	protein coding	-0.5863	4.3402	9.4539	0.0021	0.05
ENSG00000102572	STK24	serine/threonine kinase 24 [Source:HGNC Symbol;Acc:HGNC:11403]	protein coding	-0.5852	5.6187	9.6263	0.0019	0.0482

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000148926	ADM	adrenomedullin [Source:HGNC Symbol;Acc:HGNC:259]	protein coding	4.2765	2.9604	25.8543	<0.0001	<0.0001
ENSG00000257017	HP	haptoglobin [Source:HGNC Symbol;Acc:HGNC:5141]	protein coding	3.7836	5.9975	91.0248	<0.0001	<0.0001
ENSG00000110079	MS4A4A	membrane spanning 4-domains A4A [Source:HGNC Symbol;Acc:HGNC:13371]	protein coding	3.4519	5.5374	82.0091	<0.0001	<0.0001
ENSG00000159189	C1QC	complement C1q C chain [Source:HGNC Symbol;Acc:HGNC:1245]	protein coding	3.2549	3.7084	42.8381	<0.0001	<0.0001
ENSG00000163221	S100A12	S100 calcium binding protein A12 [Source:HGNC Symbol;Acc:HGNC:10489]	protein coding	3.2034	8.4442	113.9992	<0.0001	<0.0001
ENSG00000173369	C1QB	complement C1q B chain [Source:HGNC Symbol;Acc:HGNC:1242]	protein coding	3.0200	4.8367	105.7184	<0.0001	<0.0001
ENSG00000103569	AQP9	aquaporin 9 [Source:HGNC Symbol;Acc:HGNC:643]	protein coding	2.8781	6.2662	96.3629	<0.0001	<0.0001
ENSG00000164047	CAMP	cathelicidin antimicrobial peptide [Source:HGNC Symbol;Acc:HGNC:1472]	protein coding	-2.8536	4.7948	61.0774	<0.0001	<0.0001
ENSG00000153208	MERTK	MER proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:7027]	protein coding	2.7921	4.3164	29.5414	<0.0001	<0.0001
ENSG00000104918	RETN	resistin [Source:HGNC Symbol;Acc:HGNC:20389]	protein coding	2.6777	6.7911	135.1468	<0.0001	<0.0001
ENSG00000152766	ANKRD22	ankyrin repeat domain 22 [Source:HGNC Symbol;Acc:HGNC:28321]	protein coding	2.6523	2.3669	12.7757	0.0004	0.0057
ENSG00000157551	KCNJ15	potassium inwardly rectifying channel subfamily J member 15 [Source:HGNC Symbol;Acc:HGNC:6261]	protein coding	2.5085	3.8472	34.8534	<0.0001	<0.0001
ENSG00000138061	CYP1B1	cytochrome P450 family 1 subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:2597]	protein coding	2.4940	5.8222	71.6873	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000184557	SOCS3	suppressor of cytokine signaling 3 [Source:HGNC Symbol;Acc:HGNC:19391]	protein coding	2.4486	4.4934	37.8159	<0.0001	<0.0001
ENSG00000120885	CLU	clusterin [Source:HGNC Symbol;Acc:HGNC:2095]	protein coding	2.4387	7.6835	165.0987	<0.0001	<0.0001
ENSG00000115155	OTOF	otoferlin [Source:HGNC Symbol;Acc:HGNC:8515]	protein coding	2.3885	3.4662	14.9077	0.0001	0.0023
ENSG00000183019	MCEMP1	mast cell expressed membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:27291]	protein coding	2.3509	4.7333	47.8391	<0.0001	<0.0001
ENSG0000010327	STAB1	stabilin 1 [Source:HGNC Symbol;Acc:HGNC:18628]	protein coding	2.3424	8.7972	142.9596	<0.0001	<0.0001
ENSG00000004809	SLC22A16	solute carrier family 22 member 16 [Source:HGNC Symbol;Acc:HGNC:20302]	protein coding	2.3378	2.6460	16.0516	<0.0001	0.0014
ENSG00000139572	GPR84	G protein-coupled receptor 84 [Source:HGNC Symbol;Acc:HGNC:4535]	protein coding	2.3376	2.8266	16.7198	<0.0001	0.0011
ENSG00000207782	MIR150	microRNA 150 [Source:HGNC Symbol;Acc:HGNC:31537]	miRNA	-2.3342	2.0106	12.0554	0.0005	0.0078
ENSG00000112299	VNN1	vanin 1 [Source:HGNC Symbol;Acc:HGNC:12705]	protein coding	2.3165	5.0465	39.8860	<0.0001	<0.0001
ENSG00000008516	MMP25	matrix metalloproteinase 25 [Source:HGNC Symbol;Acc:HGNC:14246]	protein coding	2.2774	3.5776	38.3671	<0.0001	<0.0001
ENSG00000171049	FPR2	formyl peptide receptor 2 [Source:HGNC Symbol;Acc:HGNC:3827]	protein coding	2.2514	7.1699	91.1950	<0.0001	<0.0001
ENSG00000182885	ADGRG3	adhesion G protein-coupled receptor G3 [Source:HGNC Symbol;Acc:HGNC:13728]	protein coding	2.2199	2.9221	12.3013	0.0005	0.007
ENSG00000276758		leukocyte immunoglobulin-like receptor, subfamily A member pseudogene	unprocessed pseudo-gene	2.2186	3.3465	28.1409	<0.0001	<0.0001
ENSG00000135636	DYSF	dysferlin [Source:HGNC Symbol;Acc:HGNC:3097]	protein coding	2.2107	7.3298	112.9952	<0.0001	<0.0001
ENSG00000179978	NAIPP2	NAIP pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:16042]	unprocessed pseudo-gene	2.1879	3.1124	24.3266	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000242110	AMACR	alpha-methylacyl-CoA mase [Source:HGNC bol;Acc:HGNC:451]	race- Sym- coding protein	-2.1566	2.2311	11.6221	0.0007	0.0093
ENSG00000150337	FCGR1A	Fc fragment of IgG recep- tor 1a [Source:HGNC bol;Acc:HGNC:3613]	Sym- coding protein	2.1328	3.6452	30.6572	<0.0001	<0.0001
ENSG00000173372	C1QA	complement C1q A chain [Source:HGNC bol;Acc:HGNC:1241]	Sym- coding protein	2.1261	5.1157	59.0347	<0.0001	<0.0001
ENSG00000163220	S100A9	S100 calcium binding pro- tein A9 [Source:HGNC bol;Acc:HGNC:10499]	Sym- coding protein	2.1232	12.4692	67.6722	<0.0001	<0.0001
ENSG00000198734	F5	coagulation factor V [Source:HGNC bol;Acc:HGNC:3542]	Sym- coding protein	2.1117	7.5474	73.4867	<0.0001	<0.0001
ENSG00000212609	RNU1- 139P	RNA, U1 small nuclear 139, pseudogene [Source:HGNC bol;Acc:HGNC:48481]	Sym- coding snRNA	-2.1110	2.6951	9.6230	0.0019	0.0216
ENSG00000096006	CRISP3	cysteine rich secretory pro- tein 3 [Source:HGNC bol;Acc:HGNC:16904]	Sym- coding protein	-2.1057	2.3764	9.6763	0.0019	0.0212
ENSG00000166228	PCBD1	pterin-4 alpha-carbinolamine de- hydratase 1 [Source:HGNC bol;Acc:HGNC:8646]	Sym- coding protein	2.1043	2.4517	17.2924	<0.0001	0.0008
ENSG00000121316	PLBD1	phospholipase B domain con- taining 1 [Source:HGNC bol;Acc:HGNC:26215]	Sym- coding protein	2.0955	8.7215	94.9230	<0.0001	<0.0001
ENSG00000249437	NAIP	NLR family apoptosis inhibitory protein [Source:HGNC bol;Acc:HGNC:7634]	Sym- coding protein	2.0618	5.8137	53.7696	<0.0001	<0.0001
ENSG00000140287	HDC	histidine decarboxylase [Source:HGNC bol;Acc:HGNC:4855]	Sym- coding protein	-2.0431	1.8663	12.0348	0.0005	0.0078
ENSG00000143546	S100A8	S100 calcium binding pro- tein A8 [Source:HGNC bol;Acc:HGNC:10498]	Sym- coding protein	2.0308	11.1060	77.0192	<0.0001	<0.0001
ENSG00000197208	SLC22A4	solute carrier family 22 mem- ber 4 [Source:HGNC bol;Acc:HGNC:10968]	Sym- coding protein	2.0249	2.3840	10.5648	0.0012	0.0146

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000136689	IL1RN	interleukin 1 receptor antagonist [Source:HGNC Symbol;Acc:HGNC:6000]	protein coding	2.0025	4.8442	23.0081	<0.0001	<0.0001
ENSG00000038427	VCAN	versican [Source:HGNC Symbol;Acc:HGNC:2464]	protein coding	1.9937	12.3231	54.5201	<0.0001	<0.0001
ENSG00000185339	TCN2	transcobalamin 2 [Source:HGNC Symbol;Acc:HGNC:11653]	protein coding	1.9803	5.1616	72.4167	<0.0001	<0.0001
ENSG00000128383	APOBEC3A	apolipoprotein B mRNA editing enzyme catalytic subunit 3A [Source:HGNC Symbol;Acc:HGNC:17343]	protein coding	1.9751	5.5724	29.1515	<0.0001	<0.0001
ENSG00000198848	CES1	carboxylesterase 1 [Source:HGNC Symbol;Acc:HGNC:1863]	protein coding	1.9525	4.6928	61.1545	<0.0001	<0.0001
ENSG00000203710	CR1	complement C3b/C4b receptor 1 (Knops blood group) [Source:HGNC Symbol;Acc:HGNC:2334]	protein coding	1.9271	7.5032	73.6605	<0.0001	<0.0001
ENSG00000200488	RN7SKP203	RN7SK pseudogene 203 [Source:HGNC Symbol;Acc:HGNC:45927]	misc RNA	-1.9209	1.7431	8.0349	0.0046	0.0425
ENSG00000137757	CASP5	caspase 5 [Source:HGNC Symbol;Acc:HGNC:1506]	protein coding	1.9091	2.8669	12.1512	0.0005	0.0075
ENSG00000197721	CR1L	complement C3b/C4b receptor 1 like [Source:HGNC Symbol;Acc:HGNC:2335]	protein coding	1.8908	2.4534	18.5418	<0.0001	0.0005
ENSG00000178726	THBD	thrombomodulin [Source:HGNC Symbol;Acc:HGNC:11784]	protein coding	1.8884	3.5674	32.3375	<0.0001	<0.0001
ENSG00000178723	GLULP4	glutamate-ammonia ligase pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:4345]	processed pseudo-gene	1.8623	4.0890	23.1474	<0.0001	<0.0001
ENSG00000137959	IFI44L	interferon induced 44 like [Source:HGNC Symbol;Acc:HGNC:17817]	protein coding	1.8570	5.4965	23.7307	<0.0001	<0.0001
ENSG00000213903	LTB4R	leukotriene B4 receptor [Source:HGNC Symbol;Acc:HGNC:6713]	protein coding	1.8548	4.6387	56.7162	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000202058	RN7SKP80	RN7SK pseudogene 80 [Source:HGNC Symbol;Acc:HGNC:45804]	misc RNA	-1.8398	1.8503	8.8211	0.003	0.0304
ENSG00000172232	AZU1	azurocidin 1 [Source:HGNC Symbol;Acc:HGNC:913]	protein coding	-1.8274	2.8732	22.8594	<0.0001	<0.0001
ENSG00000177575	CD163	CD163 molecule [Source:HGNC Symbol;Acc:HGNC:1631]	protein coding	1.8270	8.6591	88.7825	<0.0001	<0.0001
ENSG00000257335	MGAM	maltase-glucoamylase [Source:HGNC Symbol;Acc:HGNC:7043]	protein coding	1.8188	4.2212	20.3525	<0.0001	0.0002
ENSG00000140379	BCL2A1	BCL2 related A1 [Source:HGNC Symbol;Acc:HGNC:991]	protein coding	1.8182	5.3721	49.4515	<0.0001	<0.0001
ENSG00000142733	MAP3K6	mitogen-activated protein kinase kinase 6 [Source:HGNC Symbol;Acc:HGNC:6858]	protein coding	1.8059	3.5676	21.5028	<0.0001	0.0001
ENSG00000271852	SNORD11B	small nucleolar RNA, C/D box 11B [Source:HGNC Symbol;Acc:HGNC:33571]	snoRNA	-1.8056	5.1105	26.5658	<0.0001	<0.0001
ENSG00000126262	FFAR2	free fatty acid receptor 2 [Source:HGNC Symbol;Acc:HGNC:4501]	protein coding	1.8032	4.5287	25.7576	<0.0001	<0.0001
ENSG00000130202	NECTIN2	nectin cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:9707]	protein coding	1.8027	3.0598	19.2365	<0.0001	0.0004
ENSG00000163464	CXCR1	C-X-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:6026]	protein coding	1.7994	3.6175	20.9380	<0.0001	0.0002
ENSG00000156414	TDRD9	tudor domain containing 9 [Source:HGNC Symbol;Acc:HGNC:20122]	protein coding	1.7857	3.1962	17.0227	<0.0001	0.0009
ENSG00000120306	CYSTM1	cysteine rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239]	protein coding	1.7645	3.8470	14.4389	0.0001	0.0028
ENSG00000162694	EXTL2	exostosin like glycosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:3516]	protein coding	-1.7610	1.9931	9.6702	0.0019	0.0212

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000188305	PEAK3	PEAK family member 3 [Source:HGNC Symbol;Acc:HGNC:24793]	protein coding	1.7565	3.5390	24.1844	<0.0001	<0.0001
ENSG00000151062	CACNA2D4	calcium voltage-gated channel auxiliary subunit alpha2delta 4 [Source:HGNC Symbol;Acc:HGNC:20202]	protein coding	1.7536	2.1701	7.8878	0.005	0.0455
ENSG00000198019	FCGR1B	Fc fragment of IgG receptor 1b [Source:HGNC Symbol;Acc:HGNC:3614]	protein coding	1.7453	2.5335	15.3670	<0.0001	0.0019
ENSG00000179869	ABCA13	ATP binding cassette subfamily A member 13 [Source:HGNC Symbol;Acc:HGNC:14638]	protein coding	-1.7393	2.6285	13.6677	0.0002	0.004
ENSG00000143344	RGL1	ral guanine nucleotide dissociation stimulator like 1 [Source:HGNC Symbol;Acc:HGNC:30281]	protein coding	1.7386	2.8129	13.3222	0.0003	0.0046
ENSG00000179639	FCER1A	Fc fragment of IgE receptor 1a [Source:HGNC Symbol;Acc:HGNC:3609]	protein coding	-1.7363	4.9986	49.7887	<0.0001	<0.0001
ENSG00000229644	NAMPTP1	nicotinamide phosphoribosyltransferase pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:17633]	processed pseudogene	1.7355	4.8964	39.4732	<0.0001	<0.0001
ENSG00000075399	VPS9D1	VPS9 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:13526]	protein coding	1.7307	1.7545	9.9048	0.0016	0.0194
ENSG00000104154	SLC30A4	solute carrier family 30 member 4 [Source:HGNC Symbol;Acc:HGNC:11015]	protein coding	-1.7273	2.5121	8.4582	0.0036	0.0353
ENSG00000204936	CD177	CD177 molecule [Source:HGNC Symbol;Acc:HGNC:30072]	protein coding	1.7225	4.4434	16.7941	<0.0001	0.001
ENSG00000200879	SNORD14E	small nucleolar RNA, C/D box 14E [Source:HGNC Symbol;Acc:HGNC:30354]	snoRNA	-1.7139	10.3692	15.8625	<0.0001	0.0015
ENSG00000275395	FCGBP	Fc fragment of IgG binding protein [Source:HGNC Symbol;Acc:HGNC:13572]	protein coding	-1.7120	2.9604	23.8676	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000181409	AATK	apoptosis associated tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:21]	protein coding	1.6970	2.4578	7.8442	0.0051	0.0463
ENSG00000171051	FPR1	formyl peptide receptor 1 [Source:HGNC Symbol;Acc:HGNC:3826]	protein coding	1.6877	9.0477	73.1614	<0.0001	<0.0001
ENSG00000088827	SIGLEC1	sialic acid binding Ig like lectin 1 [Source:HGNC Symbol;Acc:HGNC:11127]	protein coding	1.6822	6.5749	17.9374	<0.0001	0.0006
ENSG00000134321	RSAD2	radical S-adenosyl methionine domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30908]	protein coding	1.6762	6.6177	17.8857	<0.0001	0.0006
ENSG00000251634	NAIPP4	NAIP pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:54494]	unprocessed pseudo-gene	1.6717	2.2868	15.2033	<0.0001	0.002
ENSG00000138772	ANXA3	annexin A3 [Source:HGNC Symbol;Acc:HGNC:541]	protein coding	1.6609	3.5736	16.9133	<0.0001	0.001
ENSG00000186818	LILRB4	leukocyte immunoglobulin like receptor B4 [Source:HGNC Symbol;Acc:HGNC:6608]	protein coding	1.6550	6.7675	68.3646	<0.0001	<0.0001
ENSG00000134531	EMP1	epithelial membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:3333]	protein coding	1.6528	3.1100	8.4150	0.0037	0.036
ENSG00000104972	LILRB1	leukocyte immunoglobulin like receptor B1 [Source:HGNC Symbol;Acc:HGNC:6605]	protein coding	1.6510	7.1252	78.5880	<0.0001	<0.0001
ENSG00000119917	IFIT3	interferon induced protein with tetratricopeptide repeats 3 [Source:HGNC Symbol;Acc:HGNC:5411]	protein coding	1.6335	6.8216	23.1444	<0.0001	<0.0001
ENSG00000160883	HK3	hexokinase 3 [Source:HGNC Symbol;Acc:HGNC:4925]	protein coding	1.6300	7.9260	107.6933	<0.0001	<0.0001
ENSG00000115828	QPCT	glutaminyl-peptide cyclotransferase [Source:HGNC Symbol;Acc:HGNC:9753]	protein coding	1.6173	5.4974	31.3664	<0.0001	<0.0001
ENSG00000168615	ADAM9	ADAM metalloproteinase domain 9 [Source:HGNC Symbol;Acc:HGNC:216]	protein coding	1.6167	5.0990	46.4642	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000144040	SFXN5	sideroflexin 5 [Source:HGNC Symbol;Acc:HGNC:16073]	protein coding	1.6164	2.5681	14.4311	0.0001	0.0028
ENSG00000169385	RNASE2	ribonuclease A family member 2 [Source:HGNC Symbol;Acc:HGNC:10045]	protein coding	1.6113	5.3291	31.1694	<0.0001	<0.0001
ENSG00000075651	PLD1	phospholipase D1 [Source:HGNC Symbol;Acc:HGNC:9067]	protein coding	1.5996	3.5097	10.5313	0.0012	0.0148
ENSG00000019169	MARCO	macrophage receptor with collagenous structure [Source:HGNC Symbol;Acc:HGNC:6895]	protein coding	1.5971	4.6619	50.1325	<0.0001	<0.0001
ENSG00000151726	ACSL1	acyl-CoA synthetase long chain family member 1 [Source:HGNC Symbol;Acc:HGNC:3569]	protein coding	1.5898	7.2755	60.1119	<0.0001	<0.0001
ENSG00000165029	ABCA1	ATP binding cassette subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:29]	protein coding	1.5888	5.8026	69.0935	<0.0001	<0.0001
ENSG00000149131	SERPING1	serpin family G member 1 [Source:HGNC Symbol;Acc:HGNC:1228]	protein coding	1.5872	5.2234	15.3849	<0.0001	0.0019
ENSG00000181007	ZFP82	ZFP82 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:28682]	protein coding	-1.5861	2.9610	13.3151	0.0003	0.0046
ENSG00000244482	LILRA6	leukocyte immunoglobulin like receptor A6 [Source:HGNC Symbol;Acc:HGNC:15495]	protein coding	1.5859	5.4555	48.3789	<0.0001	<0.0001
ENSG00000163803	PLB1	phospholipase B1 [Source:HGNC Symbol;Acc:HGNC:30041]	protein coding	1.5849	3.4293	17.4829	<0.0001	0.0008
ENSG00000183087	GAS6	growth arrest specific 6 [Source:HGNC Symbol;Acc:HGNC:4168]	protein coding	1.5836	3.6395	27.4632	<0.0001	<0.0001
ENSG00000161944	ASGR2	asialoglycoprotein receptor 2 [Source:HGNC Symbol;Acc:HGNC:743]	protein coding	1.5779	5.9928	51.6655	<0.0001	<0.0001
ENSG00000069399	BCL3	BCL3 transcription coactivator [Source:HGNC Symbol;Acc:HGNC:998]	protein coding	1.5778	4.5997	16.3834	<0.0001	0.0012

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000169026	SLC49A3	solute carrier family 49 member 3 [Source:HGNC Symbol;Acc:HGNC:26177]	protein coding	1.5775	2.8406	11.3633	0.0007	0.0104
ENSG00000163393	SLC22A15	solute carrier family 22 member 15 [Source:HGNC Symbol;Acc:HGNC:20301]	protein coding	1.5755	2.8717	10.3651	0.0013	0.0158
ENSG00000213859	KCTD11	potassium channel tetramerization domain containing 11 [Source:HGNC Symbol;Acc:HGNC:21302]	protein coding	1.5697	2.5665	8.0254	0.0046	0.0427
ENSG00000112303	VNN2	vanin 2 [Source:HGNC Symbol;Acc:HGNC:12706]	protein coding	1.5665	7.6775	39.1340	<0.0001	<0.0001
ENSG00000230191	IFITM3P4	IFITM3 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:54542]	processed pseudo-gene	1.5595	2.3638	8.3394	0.0039	0.0373
ENSG00000164125	GASK1B	golgi associated kinase 1B [Source:HGNC Symbol;Acc:HGNC:25312]	protein coding	1.5561	4.2980	32.8465	<0.0001	<0.0001
ENSG00000205593	DENND6B	DENN domain containing 6B [Source:HGNC Symbol;Acc:HGNC:32690]	protein coding	1.5524	2.4207	9.7615	0.0018	0.0206
ENSG00000121297	TSHZ3	teashirt zinc finger homeobox 3 [Source:HGNC Symbol;Acc:HGNC:30700]	protein coding	1.5517	3.1435	15.1756	<0.0001	0.002
ENSG00000211802	TRAV22	T cell receptor alpha variable 22 [Source:HGNC Symbol;Acc:HGNC:12119]	TR V gene	-1.5422	3.0740	10.9564	0.0009	0.0124
ENSG00000198853	RUSC2	RUN and SH3 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23625]	protein coding	1.5405	2.3373	7.9026	0.0049	0.0451
ENSG00000187116	LILRA5	leukocyte immunoglobulin like receptor A5 [Source:HGNC Symbol;Acc:HGNC:16309]	protein coding	1.5377	7.4404	69.4854	<0.0001	<0.0001
ENSG00000146592	CREB5	cAMP responsive element binding protein 5 [Source:HGNC Symbol;Acc:HGNC:16844]	protein coding	1.5340	4.8037	35.6942	<0.0001	<0.0001
ENSG00000286172	RNVU1-8	RNA, variant U1 small nuclear 8 [Source:HGNC Symbol;Acc:HGNC:48315]	snRNA	-1.5306	5.3685	17.9577	<0.0001	0.0006

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000111331	OAS3	2'-5'-oligoadenylate synthetase 3 [Source:HGNC Symbol;Acc:HGNC:8088]	protein coding	1.5296	7.9667	26.9053	<0.0001	<0.0001
ENSG00000100448	CTSG	cathepsin G [Source:HGNC Symbol;Acc:HGNC:2532]	protein coding	-1.5247	3.1629	13.1310	0.0003	0.005
ENSG00000226660	TRBV2	T cell receptor beta variable 2 [Source:HGNC Symbol;Acc:HGNC:12195]	TR V gene	-1.5230	3.7692	12.6809	0.0004	0.0059
ENSG00000131042	LILRB2	leukocyte immunoglobulin like receptor B2 [Source:HGNC Symbol;Acc:HGNC:6606]	protein coding	1.5208	7.3784	70.3892	<0.0001	<0.0001
ENSG00000157227	MMP14	matrix metalloproteinase 14 [Source:HGNC Symbol;Acc:HGNC:7160]	protein coding	1.5149	3.3149	10.7116	0.0011	0.0137
ENSG00000164930	FZD6	frizzled class receptor 6 [Source:HGNC Symbol;Acc:HGNC:4044]	protein coding	-1.5146	3.0745	16.0330	<0.0001	0.0014
ENSG00000265273	PGDP1	phosphogluconate dehydrogenase pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:8892]	processed pseudo-gene	1.5101	4.3897	33.3129	<0.0001	<0.0001
ENSG00000130956	HABP4	hyaluronan binding protein 4 [Source:HGNC Symbol;Acc:HGNC:17062]	protein coding	-1.5098	2.4777	13.5218	0.0002	0.0042
ENSG00000276953	TRBV12-4	T cell receptor beta variable 12-4 [Source:HGNC Symbol;Acc:HGNC:12186]	TR V gene	-1.4978	3.0902	17.8902	<0.0001	0.0006
ENSG00000212283	SNORD89	small nucleolar RNA, C/D box 89 [Source:HGNC Symbol;Acc:HGNC:32750]	snoRNA	-1.4908	4.0455	18.5616	<0.0001	0.0005
ENSG00000167705	RILP	Rab interacting lysosomal protein [Source:HGNC Symbol;Acc:HGNC:30266]	protein coding	1.4904	2.2555	8.1115	0.0044	0.0412
ENSG00000188313	PLSCR1	phospholipid scramblase 1 [Source:HGNC Symbol;Acc:HGNC:9092]	protein coding	1.4874	6.9913	58.0298	<0.0001	<0.0001
ENSG00000174837	ADGRE1	adhesion G protein-coupled receptor E1 [Source:HGNC Symbol;Acc:HGNC:3336]	protein coding	1.4825	6.2360	85.3763	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000105835	NAMPT	nicotinamide phosphoribosyl-transferase [Source:HGNC Symbol;Acc:HGNC:30092]	protein coding	1.4816	6.0605	51.9427	<0.0001	<0.0001
ENSG00000172594	SMPDL3A	sphingomyelin phosphodiesterase acid like 3A [Source:HGNC Symbol;Acc:HGNC:17389]	protein coding	1.4774	4.7657	36.9768	<0.0001	<0.0001
ENSG00000185745	IFIT1	interferon induced protein with tetratricopeptide repeats 1 [Source:HGNC Symbol;Acc:HGNC:5407]	protein coding	1.4773	6.3558	13.2913	0.0003	0.0046
ENSG00000130270	ATP8B3	ATPase phospholipid transporting 8B3 [Source:HGNC Symbol;Acc:HGNC:13535]	protein coding	1.4747	2.1083	8.0326	0.0046	0.0426
ENSG00000171236	LRG1	leucine rich alpha-2-glycoprotein 1 [Source:HGNC Symbol;Acc:HGNC:29480]	protein coding	1.4690	3.5770	13.6113	0.0002	0.0041
ENSG00000211815	TRAV36DV7	T cell receptor alpha variable 36/delta variable 7 [Source:HGNC Symbol;Acc:HGNC:12135]	TR V gene	-1.4637	2.9934	10.3567	0.0013	0.0158
ENSG00000200151	RN7SKP231	RN7SK pseudogene 231 [Source:HGNC Symbol;Acc:HGNC:45955]	misc RNA	-1.4597	2.2519	8.9977	0.0027	0.028
ENSG00000157601	MX1	MX dynamin like GTPase 1 [Source:HGNC Symbol;Acc:HGNC:7532]	protein coding	1.4475	8.3497	24.9744	<0.0001	<0.0001
ENSG00000186152	LILRP1	leukocyte immunoglobulin-like receptor pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:15496]	unprocessed pseudo-gene	1.4386	4.5122	44.9031	<0.0001	<0.0001
ENSG00000207439			misc RNA	-1.4355	3.3023	8.5980	0.0034	0.0332
ENSG00000103196	CRISPLD2	cysteine rich secretory protein LCCL domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25248]	protein coding	1.4335	5.8467	45.8590	<0.0001	<0.0001
ENSG00000204577	LILRB3	leukocyte immunoglobulin like receptor B3 [Source:HGNC Symbol;Acc:HGNC:6607]	protein coding	1.4305	6.4946	52.9406	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000163625	WDFY3	WD repeat and FYVE domain containing 3 [Source:HGNC Symbol;Acc:HGNC:20751]	protein coding	1.4222	5.2935	47.8710	<0.0001	<0.0001
ENSG00000203497	PDCD4-AS1	PDCD4 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:27425]	lncRNA	-1.4203	3.0586	10.6634	0.0011	0.014
ENSG00000138646	HERC5	HECT and RLD domain containing E3 ubiquitin protein ligase 5 [Source:HGNC Symbol;Acc:HGNC:24368]	protein coding	1.4191	5.8186	16.5742	<0.0001	0.0011
ENSG00000091106	NLRC4	NLR family CARD domain containing 4 [Source:HGNC Symbol;Acc:HGNC:16412]	protein coding	1.4142	5.6481	50.3493	<0.0001	<0.0001
ENSG00000267121		novel transcript, antisense to FMNL1	lncRNA	-1.4136	3.1504	9.9709	0.0016	0.0188
ENSG00000018280	SLC11A1	solute carrier family 11 member 1 [Source:HGNC Symbol;Acc:HGNC:10907]	protein coding	1.4135	7.3285	90.6448	<0.0001	<0.0001
ENSG00000123405	NFE2	nuclear factor, erythroid 2 [Source:HGNC Symbol;Acc:HGNC:7780]	protein coding	1.4101	6.1427	70.6048	<0.0001	<0.0001
ENSG00000163823	CCR1	C-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:1602]	protein coding	1.4050	7.4976	49.0278	<0.0001	<0.0001
ENSG00000059728	MXD1	MAX dimerization protein 1 [Source:HGNC Symbol;Acc:HGNC:6761]	protein coding	1.4040	5.5885	64.0850	<0.0001	<0.0001
ENSG00000143184	XCL1	X-C motif chemokine ligand 1 [Source:HGNC Symbol;Acc:HGNC:10645]	protein coding	-1.4031	3.3372	14.0777	0.0002	0.0033
ENSG00000235879	FAR1P1	fatty acyl-CoA reductase 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:39675]	processed pseudogene	1.4022	2.2388	8.5198	0.0035	0.0344
ENSG00000211750	TRBV24-1	T cell receptor beta variable 24-1 [Source:HGNC Symbol;Acc:HGNC:12203]	TR V gene	-1.4013	3.7054	11.9250	0.0006	0.0082
ENSG00000197249	SERPINA1	serpin family A member 1 [Source:HGNC Symbol;Acc:HGNC:8941]	protein coding	1.3987	10.3275	51.9033	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000119686	FLVCR2	FLVCR heme transporter 2 [Source:HGNC Symbol;Acc:HGNC:20105]	protein coding	1.3977	3.7500	19.6900	<0.0001	0.0003
ENSG00000116711	PLA2G4A	phospholipase A2 group IVA [Source:HGNC Symbol;Acc:HGNC:9035]	protein coding	1.3957	4.1240	30.4941	<0.0001	<0.0001
ENSG00000212588	SNORA26	small nucleolar RNA, H/ACA box 26 [Source:HGNC Symbol;Acc:HGNC:32616]	snoRNA	-1.3945	3.7467	8.2179	0.0041	0.0392
ENSG00000211787	TRAV8-3	T cell receptor alpha variable 8-3 [Source:HGNC Symbol;Acc:HGNC:12148]	TR V gene	-1.3916	3.5204	21.8072	<0.0001	0.0001
ENSG00000183486	MX2	MX dynamin like GTPase 2 [Source:HGNC Symbol;Acc:HGNC:7533]	protein coding	1.3846	7.9893	36.3366	<0.0001	<0.0001
ENSG00000197989	SNHG12	small nucleolar RNA host gene 12 [Source:HGNC Symbol;Acc:HGNC:30062]	lncRNA	-1.3774	2.7816	8.7956	0.003	0.0306
ENSG00000134326	CMPK2	cytidine/uridine monophosphate kinase 2 [Source:HGNC Symbol;Acc:HGNC:27015]	protein coding	1.3762	5.1822	27.2442	<0.0001	<0.0001
ENSG00000115271	GCA	grancalcin [Source:HGNC Symbol;Acc:HGNC:15990]	protein coding	1.3737	7.5599	73.0556	<0.0001	<0.0001
ENSG00000211817	TRAV38-2DV8	T cell receptor alpha variable 38-2/delta variable 8 [Source:HGNC Symbol;Acc:HGNC:12138]	TR V gene	-1.3728	3.4077	17.1616	<0.0001	0.0009
ENSG00000244682	FCGR2C	Fc fragment of IgG receptor IIc (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:15626]	polymorphic pseudo-gene	1.3714	2.9540	9.4459	0.0021	0.0231
ENSG00000201183	RNVU1-3	RNA, variant U1 small nuclear 3 [Source:HGNC Symbol;Acc:HGNC:48311]	snRNA	-1.3663	2.7267	10.5766	0.0011	0.0145
ENSG00000149573	MPZL2	myelin protein zero like 2 [Source:HGNC Symbol;Acc:HGNC:3496]	protein coding	1.3661	2.3112	7.8405	0.0051	0.0463
ENSG00000204219	TCEA3	transcription elongation factor A3 [Source:HGNC Symbol;Acc:HGNC:11615]	protein coding	-1.3642	3.1812	10.5929	0.0011	0.0144

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000139132	FGD4	FYVE, RhoGEF and PH domain containing 4 [Source:HGNC Symbol;Acc:HGNC:19125]	protein coding	1.3636	4.2306	18.8681	<0.0001	0.0004
ENSG00000109466	KLHL2	kelch like family member 2 [Source:HGNC Symbol;Acc:HGNC:6353]	protein coding	1.3624	3.6481	18.9972	<0.0001	0.0004
ENSG00000174456	C12orf76	chromosome 12 open reading frame 76 [Source:HGNC Symbol;Acc:HGNC:33790]	protein coding	-1.3410	2.9438	9.5065	0.002	0.0226
ENSG00000173262	SLC2A14	solute carrier family 2 member 14 [Source:HGNC Symbol;Acc:HGNC:18301]	protein coding	1.3227	3.5847	19.5125	<0.0001	0.0003
ENSG00000132386	SERPINF1	serpin family F member 1 [Source:HGNC Symbol;Acc:HGNC:8824]	protein coding	-1.3225	3.2213	11.6475	0.0006	0.0092
ENSG00000062282	DGAT2	diacylglycerol O-acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:16940]	protein coding	1.3216	3.1874	10.2289	0.0014	0.0167
ENSG00000180061	TMEM150B	transmembrane 150B [Source:HGNC Symbol;Acc:HGNC:34415]	protein coding	1.3202	4.1086	23.8025	<0.0001	<0.0001
ENSG00000138119	MYOF	myoferlin [Source:HGNC Symbol;Acc:HGNC:3656]	protein coding	1.3167	7.0001	36.0663	<0.0001	<0.0001
ENSG00000179348	GATA2	GATA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:4171]	protein coding	-1.3135	3.2364	8.7861	0.003	0.0307
ENSG00000012223	LTF	lactotransferrin [Source:HGNC Symbol;Acc:HGNC:6720]	protein coding	-1.3126	7.9356	34.7608	<0.0001	<0.0001
ENSG00000134243	SORT1	sortilin 1 [Source:HGNC Symbol;Acc:HGNC:11186]	protein coding	1.3105	6.8652	53.4259	<0.0001	<0.0001
ENSG00000059804	SLC2A3	solute carrier family 2 member 3 [Source:HGNC Symbol;Acc:HGNC:11007]	protein coding	1.3087	6.9708	58.1988	<0.0001	<0.0001
ENSG00000170458	CD14	CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628]	protein coding	1.3060	10.3878	43.7642	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000215908	CROCCP2	CROCC pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:28170]	transcribed unprocessed pseudogene	-1.3048	2.3973	11.4404	0.0007	0.0101
ENSG00000139832	RAB20	RAB20, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:18260]	protein coding	1.2969	3.8505	13.8889	0.0002	0.0036
ENSG00000116991	SIPA1L2	signal induced proliferation associated 1 like 2 [Source:HGNC Symbol;Acc:HGNC:23800]	protein coding	1.2963	2.9190	12.9088	0.0003	0.0054
ENSG00000198682	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2 [Source:HGNC Symbol;Acc:HGNC:8604]	protein coding	1.2903	2.6181	9.0614	0.0026	0.0274
ENSG00000136048	DRAM1	DNA damage regulated autophagy modulator 1 [Source:HGNC Symbol;Acc:HGNC:25645]	protein coding	1.2887	3.8295	28.1440	<0.0001	<0.0001
ENSG00000123700	KCNJ2	potassium inwardly rectifying channel subfamily J member 2 [Source:HGNC Symbol;Acc:HGNC:6263]	protein coding	1.2869	4.2131	16.3672	<0.0001	0.0012
ENSG00000165092	ALDH1A1	aldehyde dehydrogenase 1 family member A1 [Source:HGNC Symbol;Acc:HGNC:402]	protein coding	-1.2868	4.8967	40.6628	<0.0001	<0.0001
ENSG00000014257	ACP3	acid phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:125]	protein coding	1.2851	5.8027	48.5944	<0.0001	<0.0001
ENSG00000237943	PRKCQ-AS1	PRKCQ antisense 1 [Source:HGNC Symbol;Acc:HGNC:44689]	RNA lncRNA	-1.2848	3.9950	16.2062	<0.0001	0.0013
ENSG00000235089		ribosomal protein (RPL10A) pseudogene	L10a processed pseudogene	-1.2833	3.2398	10.3466	0.0013	0.0159
ENSG00000113749	HRH2	histamine receptor [Source:HGNC Symbol;Acc:HGNC:5183]	H2 protein coding	1.2802	5.2455	44.9895	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000173110	HSPA6	heat shock protein family A (Hsp70) member 6 [Source:HGNC Symbol;Acc:HGNC:5239]	protein coding	1.2802	3.1467	13.4313	0.0002	0.0044
ENSG00000166527	CLEC4D	C-type lectin domain family 4 member D [Source:HGNC Symbol;Acc:HGNC:14554]	protein coding	1.2799	4.1802	16.8739	<0.0001	0.001
ENSG00000159496	RGL4	ral guanine nucleotide dissociation stimulator like 4 [Source:HGNC Symbol;Acc:HGNC:31911]	protein coding	-1.2768	3.8631	7.8506	0.0051	0.0463
ENSG00000239839	DEFA3	defensin alpha 3 [Source:HGNC Symbol;Acc:HGNC:2762]	protein coding	-1.2733	5.2291	28.4010	<0.0001	<0.0001
ENSG00000166825	ANPEP	alanyl aminopeptidase, membrane [Source:HGNC Symbol;Acc:HGNC:500]	protein coding	1.2727	8.4153	46.0451	<0.0001	<0.0001
ENSG00000141401	IMPA2	inositol monophosphatase 2 [Source:HGNC Symbol;Acc:HGNC:6051]	protein coding	1.2726	4.3105	22.7090	<0.0001	<0.0001
ENSG00000136040	PLXNC1	plexin C1 [Source:HGNC Symbol;Acc:HGNC:9106]	protein coding	1.2687	6.7029	50.5549	<0.0001	<0.0001
ENSG00000143162	CREG1	cellular repressor of E1A stimulated genes 1 [Source:HGNC Symbol;Acc:HGNC:2351]	protein coding	1.2665	5.9836	50.4984	<0.0001	<0.0001
ENSG00000110203	FOLR3	folate receptor gamma [Source:HGNC Symbol;Acc:HGNC:3795]	protein coding	1.2645	3.2324	15.4524	<0.0001	0.0018
ENSG00000138829	FBN2	fibrillin 2 [Source:HGNC Symbol;Acc:HGNC:3604]	protein coding	1.2615	6.7936	51.6949	<0.0001	<0.0001
ENSG00000111181	SLC6A12	solute carrier family 6 member 12 [Source:HGNC Symbol;Acc:HGNC:11045]	protein coding	1.2581	3.0054	8.8769	0.0029	0.0296
ENSG00000200913	SNORD46	small nucleolar RNA, C/D box 46 [Source:HGNC Symbol;Acc:HGNC:10186]	snoRNA	-1.2578	5.1061	20.5235	<0.0001	0.0002
ENSG00000119922	IFIT2	interferon induced protein with tetratricopeptide repeats 2 [Source:HGNC Symbol;Acc:HGNC:5409]	protein coding	1.2521	6.6722	17.9672	<0.0001	0.0006

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135218	CD36	CD36 molecule [Source:HGNC Symbol;Acc:HGNC:1663]	protein coding	1.2515	8.5146	38.1311	<0.0001	<0.0001
ENSG00000211825	TRDJ1	T cell receptor delta joining 1 [Source:HGNC Symbol;Acc:HGNC:12257]	TR J gene	-1.2512	1.9150	7.6767	0.0056	0.0497
ENSG00000107551	RASSF4	Ras association domain family member 4 [Source:HGNC Symbol;Acc:HGNC:20793]	protein coding	1.2508	4.4817	9.7087	0.0018	0.021
ENSG00000102524	TNFSF13B	TNF superfamily member 13b [Source:HGNC Symbol;Acc:HGNC:11929]	protein coding	1.2455	5.8537	25.9168	<0.0001	<0.0001
ENSG00000105352	CEACAM4	CEA cell adhesion molecule 4 [Source:HGNC Symbol;Acc:HGNC:1816]	protein coding	1.2444	3.8800	13.6438	0.0002	0.004
ENSG00000174130	TLR6	toll like receptor 6 [Source:HGNC Symbol;Acc:HGNC:16711]	protein coding	1.2426	3.8970	13.0105	0.0003	0.0053
ENSG00000104974	LILRA1	leukocyte immunoglobulin like receptor A1 [Source:HGNC Symbol;Acc:HGNC:6602]	protein coding	1.2356	5.7858	58.7554	<0.0001	<0.0001
ENSG00000113742	CPEB4	cytoplasmic polyadenylation element binding protein 4 [Source:HGNC Symbol;Acc:HGNC:21747]	protein coding	1.2343	4.5360	24.1789	<0.0001	<0.0001
ENSG00000158470	B4GALT5	beta-1,4-galactosyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:928]	protein coding	1.2328	5.2313	32.2575	<0.0001	<0.0001
ENSG00000201201	RN7SKP118	RN7SK pseudogene 118 [Source:HGNC Symbol;Acc:HGNC:45842]	misc RNA	-1.2311	5.8488	22.2334	<0.0001	<0.0001
ENSG00000286171		RNA, Ro-associated Y5	lncRNA	-1.2294	16.1783	13.8574	0.0002	0.0037
ENSG00000111424	VDR	vitamin D receptor [Source:HGNC Symbol;Acc:HGNC:12679]	protein coding	1.2285	4.2296	15.5885	<0.0001	0.0017
ENSG00000118113	MMP8	matrix metalloproteinase 8 [Source:HGNC Symbol;Acc:HGNC:7175]	protein coding	1.2279	3.8798	12.1775	0.0005	0.0074
ENSG00000160339	FCN2	ficolin 2 [Source:HGNC Symbol;Acc:HGNC:3624]	protein coding	1.2258	7.2176	38.7018	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000138413	IDH1	isocitrate dehydrogenase (NADP(+)) 1 [Source:HGNC Symbol;Acc:HGNC:5382]	protein coding	1.2205	5.9013	49.5402	<0.0001	<0.0001
ENSG00000142657	PGD	phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:8891]	protein coding	1.2205	7.8704	67.9771	<0.0001	<0.0001
ENSG00000008394	MGST1	microsomal glutathione S-transferase 1 [Source:HGNC Symbol;Acc:HGNC:7061]	protein coding	1.2202	4.3231	27.1157	<0.0001	<0.0001
ENSG00000129219	PLD2	phospholipase D2 [Source:HGNC Symbol;Acc:HGNC:9068]	protein coding	1.2168	3.2526	9.9339	0.0016	0.0191
ENSG00000126709	IFI6	interferon alpha inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	protein coding	1.2165	8.6106	14.1689	0.0002	0.0032
ENSG00000146094	DOK3	docking protein 3 [Source:HGNC Symbol;Acc:HGNC:24583]	protein coding	1.2157	6.4891	59.2577	<0.0001	<0.0001
ENSG00000132205	EMILIN2	elastin microfibril interfacer 2 [Source:HGNC Symbol;Acc:HGNC:19881]	protein coding	1.2156	8.1889	50.6730	<0.0001	<0.0001
ENSG00000135114	OASL	2'-5'-oligoadenylate synthetase like [Source:HGNC Symbol;Acc:HGNC:8090]	protein coding	1.2148	5.8586	20.7801	<0.0001	0.0002
ENSG00000204103	MAFB	MAF bZIP transcription factor B [Source:HGNC Symbol;Acc:HGNC:6408]	protein coding	1.2140	6.9236	52.1308	<0.0001	<0.0001
ENSG00000155465	SLC7A7	solute carrier family 7 member 7 [Source:HGNC Symbol;Acc:HGNC:11065]	protein coding	1.2135	7.1933	46.9598	<0.0001	<0.0001
ENSG00000121807	CCR2	C-C motif chemokine receptor 2 [Source:HGNC Symbol;Acc:HGNC:1603]	protein coding	1.2120	7.9603	54.0259	<0.0001	<0.0001
ENSG00000104375	STK3	serine/threonine kinase 3 [Source:HGNC Symbol;Acc:HGNC:11406]	protein coding	1.2093	3.5238	18.1780	<0.0001	0.0006
ENSG00000227825	SLC9A7P1	solute carrier family 9 member 7 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:32679]	transcribed processed pseudogene	1.2045	3.2414	9.9396	0.0016	0.0191

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000123384	LRP1	LDL receptor related protein 1 [Source:HGNC Symbol;Acc:HGNC:6692]	protein coding	1.2035	10.8882	37.1082	<0.0001	<0.0001
ENSG00000142089	IFITM3	interferon induced transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:5414]	protein coding	1.2028	7.8964	47.3917	<0.0001	<0.0001
ENSG00000165140	FBP1	fructose-bisphosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3606]	protein coding	1.1960	5.0490	31.8538	<0.0001	<0.0001
ENSG00000100504	PYGL	glycogen phosphorylase L [Source:HGNC Symbol;Acc:HGNC:9725]	protein coding	1.1954	7.0610	48.6633	<0.0001	<0.0001
ENSG00000084110	HAL	histidine ammonia-lyase [Source:HGNC Symbol;Acc:HGNC:4806]	protein coding	1.1951	3.7025	11.4162	0.0007	0.0102
ENSG00000135842	NIBAN1	niban apoptosis regulator 1 [Source:HGNC Symbol;Acc:HGNC:16784]	protein coding	1.1940	6.9551	46.3401	<0.0001	<0.0001
ENSG00000203668	CHML	CHM like Rab escort protein [Source:HGNC Symbol;Acc:HGNC:1941]	protein coding	-1.1925	2.8525	9.4356	0.0021	0.0232
ENSG00000106605	BLVRA	biliverdin reductase A [Source:HGNC Symbol;Acc:HGNC:1062]	protein coding	1.1786	6.2766	38.5927	<0.0001	<0.0001
ENSG00000111796	KLRB1	killer cell lectin like receptor B1 [Source:HGNC Symbol;Acc:HGNC:6373]	protein coding	-1.1746	4.1442	24.9545	<0.0001	<0.0001
ENSG00000206588	RNU1-28P	RNA, U1 small nuclear 28, pseudogene [Source:HGNC Symbol;Acc:HGNC:37498]	snRNA	-1.1742	5.4470	9.5850	0.002	0.0218
ENSG00000170858	LILRP2	leukocyte immunoglobulin-like receptor pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:15497]	transcribed processed pseudogene	1.1737	2.9910	14.9361	0.0001	0.0023
ENSG00000184613	NELL2	neural EGFL like 2 [Source:HGNC Symbol;Acc:HGNC:7751]	protein coding	-1.1734	6.2334	33.4684	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000109743	BST1	bone marrow stromal cell antigen 1 [Source:HGNC Symbol;Acc:HGNC:1118]	protein coding	1.1700	6.3416	38.9599	<0.0001	<0.0001
ENSG00000025708	TYMP	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	protein coding	1.1694	8.4993	29.3649	<0.0001	<0.0001
ENSG00000100985	MMP9	matrix metalloproteinase 9 [Source:HGNC Symbol;Acc:HGNC:7176]	protein coding	1.1691	4.0808	9.7979	0.0017	0.0203
ENSG00000169896	ITGAM	integrin subunit alpha M [Source:HGNC Symbol;Acc:HGNC:6149]	protein coding	1.1691	8.9137	48.7796	<0.0001	<0.0001
ENSG00000173281	PPP1R3B	protein phosphatase 1 regulatory subunit 3B [Source:HGNC Symbol;Acc:HGNC:14942]	protein coding	1.1691	2.9016	9.5853	0.002	0.0218
ENSG00000197405	C5AR1	complement C5a receptor 1 [Source:HGNC Symbol;Acc:HGNC:1338]	protein coding	1.1679	7.4144	45.1263	<0.0001	<0.0001
ENSG00000255569	TRAV1-1	T cell receptor alpha variable 1-1 [Source:HGNC Symbol;Acc:HGNC:12101]	TR V gene	-1.1664	3.1939	7.6853	0.0056	0.0496
ENSG00000116701	NCF2	neutrophil cytosolic factor 2 [Source:HGNC Symbol;Acc:HGNC:7661]	protein coding	1.1658	8.4538	56.3380	<0.0001	<0.0001
ENSG00000199629	RNU1-14P	RNA, U1 small nuclear 14, pseudogene [Source:HGNC Symbol;Acc:HGNC:10139]	snRNA	-1.1646	4.4174	8.1309	0.0044	0.0408
ENSG00000078124	ACER3	alkaline ceramidase 3 [Source:HGNC Symbol;Acc:HGNC:16066]	protein coding	1.1635	4.0795	11.1261	0.0009	0.0115
ENSG00000089127	OAS1	2'-5'-oligoadenylate synthetase 1 [Source:HGNC Symbol;Acc:HGNC:8086]	protein coding	1.1622	7.6391	36.0411	<0.0001	<0.0001
ENSG00000007968	E2F2	E2F transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:3114]	protein coding	1.1593	4.0729	8.0858	0.0045	0.0416
ENSG00000044115	CTNNA1	catenin alpha 1 [Source:HGNC Symbol;Acc:HGNC:2509]	protein coding	1.1581	7.5663	53.7715	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000141574	SECTM1	secreted and transmembrane 1 [Source:HGNC Symbol;Acc:HGNC:10707]	protein coding	1.1578	7.4083	39.7917	<0.0001	<0.0001
ENSG00000132635	PCED1A	PC-esterase domain containing 1A [Source:HGNC Symbol;Acc:HGNC:16212]	protein coding	-1.1570	2.7464	10.3599	0.0013	0.0158
ENSG00000136026	CKAP4	cytoskeleton associated protein 4 [Source:HGNC Symbol;Acc:HGNC:16991]	protein coding	1.1555	6.5856	32.3541	<0.0001	<0.0001
ENSG00000135404	CD63	CD63 molecule [Source:HGNC Symbol;Acc:HGNC:1692]	protein coding	1.1552	8.9470	47.6699	<0.0001	<0.0001
ENSG00000154589	LY96	lymphocyte antigen 96 [Source:HGNC Symbol;Acc:HGNC:17156]	protein coding	1.1531	4.2264	14.7400	0.0001	0.0025
ENSG00000101336	HCK	HCK proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:4840]	protein coding	1.1510	8.8429	49.2045	<0.0001	<0.0001
ENSG00000137965	IFI44	interferon induced protein 44 [Source:HGNC Symbol;Acc:HGNC:16938]	protein coding	1.1506	6.0776	14.8593	0.0001	0.0023
ENSG00000143382	ADAMTSL4	ADAMTS like 4 [Source:HGNC Symbol;Acc:HGNC:19706]	protein coding	1.1480	5.2717	42.1087	<0.0001	<0.0001
ENSG00000216740	ANXA2P3	annexin A2 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:540]	processed pseudo-gene	1.1453	4.6644	20.5791	<0.0001	0.0002
ENSG00000169609	C15orf40	chromosome 15 open reading frame 40 [Source:HGNC Symbol;Acc:HGNC:28443]	protein coding	-1.1380	3.1816	15.2195	<0.0001	0.002
ENSG00000136161	RCBTB2	RCC1 and BTB domain containing protein 2 [Source:HGNC Symbol;Acc:HGNC:1914]	protein coding	1.1380	4.5480	9.9625	0.0016	0.0189
ENSG00000111321	LTBR	lymphotoxin beta receptor [Source:HGNC Symbol;Acc:HGNC:6718]	protein coding	1.1352	5.8032	33.4391	<0.0001	<0.0001
ENSG00000197561	ELANE	elastase, neutrophil expressed [Source:HGNC Symbol;Acc:HGNC:3309]	protein coding	-1.1340	4.0385	13.6177	0.0002	0.004

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000198363	ASPH	aspartate beta-hydroxylase [Source:HGNC Symbol;Acc:HGNC:757]	protein coding	1.1277	4.4389	21.5734	<0.0001	0.0001
ENSG00000100292	HMOX1	heme oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:5013]	protein coding	1.1265	7.1091	52.1236	<0.0001	<0.0001
ENSG00000085265	FCN1	ficolin 1 [Source:HGNC Symbol;Acc:HGNC:3623]	protein coding	1.1264	11.2839	30.4414	<0.0001	<0.0001
ENSG00000206585	RNVU1-7	RNA, variant U1 small nuclear 7 [Source:HGNC Symbol;Acc:HGNC:37500]	snRNA	-1.1257	5.4197	9.2294	0.0024	0.0254
ENSG00000129450	SIGLEC9	sialic acid binding Ig like lectin 9 [Source:HGNC Symbol;Acc:HGNC:10878]	protein coding	1.1245	7.0115	51.3681	<0.0001	<0.0001
ENSG00000115318	LOXL3	lysyl oxidase like 3 [Source:HGNC Symbol;Acc:HGNC:13869]	protein coding	1.1240	4.5357	19.6146	<0.0001	0.0003
ENSG00000163694	RBM47	RNA binding motif 47 [Source:HGNC Symbol;Acc:HGNC:30358]	protein coding	1.1218	5.5889	33.6106	<0.0001	<0.0001
ENSG00000204010	IFIT1B	interferon induced with tetratricopeptide repeats 1B [Source:HGNC Symbol;Acc:HGNC:23442]	protein coding	1.1217	4.3963	13.4272	0.0002	0.0044
ENSG00000207340	RNVU1-1	RNA, variant U1 small nuclear 1 [Source:HGNC Symbol;Acc:HGNC:10133]	snRNA	-1.1217	4.8262	11.9659	0.0005	0.0081
ENSG00000183625	CCR3	C-C motif chemokine receptor 3 [Source:HGNC Symbol;Acc:HGNC:1604]	protein coding	-1.1202	3.1184	10.4842	0.0012	0.015
ENSG00000207008	SNORA54	small nucleolar RNA, H/ACA box 54 [Source:HGNC Symbol;Acc:HGNC:32647]	snoRNA	-1.1190	3.0311	8.0172	0.0046	0.0428
ENSG00000143226	FCGR2A	Fc fragment of IgG receptor IIa [Source:HGNC Symbol;Acc:HGNC:3616]	protein coding	1.1185	6.5365	35.5181	<0.0001	<0.0001
ENSG00000087589	CASS4	Cas scaffold protein family member 4 [Source:HGNC Symbol;Acc:HGNC:15878]	protein coding	-1.1177	3.5309	10.1274	0.0015	0.0175

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000179604	CDC42EP4	CDC42 effector protein 4 [Source:HGNC Sym- bol;Acc:HGNC:17147]	protein coding	1.1176	2.6670	9.8728	0.0017	0.0197
ENSG00000171860	C3AR1	complement C3a recep- tor 1 [Source:HGNC Sym- bol;Acc:HGNC:1319]	protein coding	1.1175	8.1475	40.7818	<0.0001	<0.0001
ENSG00000092036	HAUS4	HAUS augmin like complex subunit 4 [Source:HGNC Sym- bol;Acc:HGNC:20163]	protein coding	1.1171	3.3727	9.0536	0.0026	0.0274
ENSG00000148288	GBGT1	globoside alpha-1,3-N- acetylgalactosaminyltransferase 1 (FORS blood group) [Source:HGNC Sym- bol;Acc:HGNC:20460]	protein coding	1.1129	2.8226	9.6039	0.0019	0.0217
ENSG00000095383	TBC1D2	TBC1 domain family mem- ber 2 [Source:HGNC Sym- bol;Acc:HGNC:18026]	protein coding	1.1125	5.1645	26.2956	<0.0001	<0.0001
ENSG00000137462	TLR2	toll like receptor 2 [Source:HGNC Sym- bol;Acc:HGNC:11848]	protein coding	1.1073	8.2898	37.6675	<0.0001	<0.0001
ENSG00000124731	TREM1	triggering receptor expressed on myeloid cells 1 [Source:HGNC Symbol;Acc:HGNC:17760]	protein coding	1.1067	5.4981	16.2131	<0.0001	0.0013
ENSG00000211797	TRAV17	T cell receptor alpha vari- able 17 [Source:HGNC Sym- bol;Acc:HGNC:12113]	TR V gene	-1.1054	4.4562	16.9422	<0.0001	0.001
ENSG00000134827	TCN1	transcobalamin 1 [Source:HGNC Symbol;Acc:HGNC:11652]	protein coding	-1.1035	3.9537	8.6423	0.0033	0.0327
ENSG00000002933	TMEM176A	transmembrane protein 176A [Source:HGNC Sym- bol;Acc:HGNC:24930]	protein coding	1.1034	6.0714	23.1723	<0.0001	<0.0001
ENSG00000167850	CD300C	CD300c molecule [Source:HGNC Sym- bol;Acc:HGNC:19320]	protein coding	1.1033	6.1477	39.0889	<0.0001	<0.0001
ENSG00000127507	ADGRE2	adhesion G protein-coupled re- ceptor E2 [Source:HGNC Sym- bol;Acc:HGNC:3337]	protein coding	1.0972	7.0151	42.5494	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000083093	PALB2	partner and localizer of BRCA2 [Source:HGNC Symbol;Acc:HGNC:26144]	protein coding	-1.0926	3.1684	8.4287	0.0037	0.0357
ENSG00000164733	CTSB	cathepsin B [Source:HGNC Symbol;Acc:HGNC:2527]	protein coding	1.0915	9.5456	37.1421	<0.0001	<0.0001
ENSG00000252765			scaRNA	-1.0882	4.4618	14.7460	0.0001	0.0025
ENSG00000183023	SLC8A1	solute carrier family 8 member A1 [Source:HGNC Symbol;Acc:HGNC:11068]	protein coding	1.0861	5.8682	27.3334	<0.0001	<0.0001
ENSG00000185507	IRF7	interferon regulatory factor 7 [Source:HGNC Symbol;Acc:HGNC:6122]	protein coding	1.0860	6.7356	30.8029	<0.0001	<0.0001
ENSG00000216285		phosphoglycerate mutase 1 (brain) (PGAM1) pseudogene	processed pseudo-gene	1.0842	3.3775	10.6899	0.0011	0.0139
ENSG00000200800	RNU1-130P	RNA, U1 small nuclear 130, pseudogene [Source:HGNC Symbol;Acc:HGNC:48472]	snRNA	-1.0841	4.2739	8.6384	0.0033	0.0328
ENSG00000064601	CTSA	cathepsin A [Source:HGNC Symbol;Acc:HGNC:9251]	protein coding	1.0836	8.1393	45.5238	<0.0001	<0.0001
ENSG00000275791	TRBV10-3	T cell receptor beta variable 10-3 [Source:HGNC Symbol;Acc:HGNC:12179]	TR V gene	-1.0835	4.4637	13.0003	0.0003	0.0053
ENSG00000100300	TSPO	translocator [Source:HGNC Symbol;Acc:HGNC:1158]	protein coding	1.0832	8.1863	38.5421	<0.0001	<0.0001
ENSG00000211724	TRBV6-6	T cell receptor beta variable 6-6 [Source:HGNC Symbol;Acc:HGNC:12231]	TR V gene	-1.0800	3.0564	11.1809	0.0008	0.0112
ENSG00000210082	MT-RNR2	mitochondrially encoded 16S rRNA [Source:HGNC Symbol;Acc:HGNC:7471]	Mt rRNA	-1.0798	8.0771	9.4342	0.0021	0.0232
ENSG00000006534	ALDH3B1	aldehyde dehydrogenase 3 family member B1 [Source:HGNC Symbol;Acc:HGNC:410]	protein coding	1.0798	5.3031	17.0745	<0.0001	0.0009
ENSG00000181381	DDX60L	DEXD/H-box 60 like [Source:HGNC Symbol;Acc:HGNC:26429]	protein coding	1.0794	6.9915	43.7903	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000055332	EIF2AK2	eukaryotic translation initiation factor 2 alpha kinase 2 [Source:HGNC Symbol;Acc:HGNC:9437]	protein coding	1.0785	6.4126	22.0125	<0.0001	0.0001
ENSG00000171777	RASGRP4	RAS guanyl releasing protein 4 [Source:HGNC Symbol;Acc:HGNC:18958]	protein coding	1.0776	5.1871	29.0972	<0.0001	<0.0001
ENSG00000125810	CD93	CD93 molecule [Source:HGNC Symbol;Acc:HGNC:15855]	protein coding	1.0739	8.2963	34.6343	<0.0001	<0.0001
ENSG00000167207	NOD2	nucleotide binding oligomerization domain containing 2 [Source:HGNC Symbol;Acc:HGNC:5331]	protein coding	1.0727	4.4555	16.8647	<0.0001	0.001
ENSG00000198752	CDC42BPB	CDC42 binding protein kinase beta [Source:HGNC Symbol;Acc:HGNC:1738]	protein coding	1.0720	3.7656	8.6878	0.0032	0.032
ENSG00000175538	KCNE3	potassium voltage-gated channel subfamily E regulatory subunit 3 [Source:HGNC Symbol;Acc:HGNC:6243]	protein coding	1.0712	4.0823	15.1699	<0.0001	0.002
ENSG00000254023	PKMP4	pyruvate kinase M1/2 pseudo-gene 4 [Source:HGNC Symbol;Acc:HGNC:44246]	processed pseudo-gene	1.0696	3.8149	11.7886	0.0006	0.0087
ENSG00000214212	C19orf38	chromosome 19 open reading frame 38 [Source:HGNC Symbol;Acc:HGNC:34073]	protein coding	1.0573	5.5421	41.3127	<0.0001	<0.0001
ENSG00000283063	TRBV6-2	T cell receptor beta variable 6-2 (gene/pseudo-gene) [Source:HGNC Symbol;Acc:HGNC:12227]	TR V gene	-1.0555	3.5036	10.8792	0.001	0.0128
ENSG00000207313	SNORA2B	small nucleolar RNA, H/ACA box 2B [Source:HGNC Symbol;Acc:HGNC:32585]	snoRNA	-1.0517	6.2703	10.6195	0.0011	0.0143
ENSG00000156265	MAP3K7CL	MAP3K7 C-terminal like [Source:HGNC Symbol;Acc:HGNC:16457]	protein coding	-1.0498	3.7837	9.4643	0.0021	0.023
ENSG00000273749	CYFIP1	cytoplasmic FMR1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:13759]	protein coding	1.0495	6.7627	44.0983	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211818	TRAV39	T cell receptor alpha variable 39 [Source:HGNC Symbol;Acc:HGNC:12139]	TR V gene	-1.0492	2.6519	10.5034	0.0012	0.0149
ENSG00000186687	LYRM7	LYR motif containing 7 [Source:HGNC Symbol;Acc:HGNC:28072]	protein coding	-1.0491	3.1781	11.1126	0.0009	0.0115
ENSG00000108932	SLC16A6	solute carrier family 16 member 6 [Source:HGNC Symbol;Acc:HGNC:10927]	protein coding	1.0440	3.2922	9.6444	0.0019	0.0215
ENSG00000091436	MAP3K20	mitogen-activated protein kinase kinase 20 [Source:HGNC Symbol;Acc:HGNC:17797]	protein coding	1.0434	4.0325	9.1334	0.0025	0.0264
ENSG00000276557	TRBV18	T cell receptor beta variable 18 [Source:HGNC Symbol;Acc:HGNC:12193]	TR V gene	-1.0424	3.1906	9.6956	0.0018	0.0211
ENSG00000121064	SCPEP1	serine carboxypeptidase 1 [Source:HGNC Symbol;Acc:HGNC:29507]	protein coding	1.0418	8.0329	45.4685	<0.0001	<0.0001
ENSG00000284690	CD300H	CD300H molecule (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:52292]	polymorphic pseudo-gene	1.0403	4.1330	8.6360	0.0033	0.0328
ENSG00000111817	DSE	dermatan sulfate epimerase [Source:HGNC Symbol;Acc:HGNC:21144]	protein coding	1.0403	3.7373	9.1478	0.0025	0.0263
ENSG00000110002	VWA5A	von Willebrand factor A domain containing 5A [Source:HGNC Symbol;Acc:HGNC:6658]	protein coding	1.0399	4.1958	14.6261	0.0001	0.0026
ENSG00000211821	TRDV2	T cell receptor delta variable 2 [Source:HGNC Symbol;Acc:HGNC:12263]	TR V gene	-1.0359	3.7464	13.4770	0.0002	0.0043
ENSG00000254612		similar to DnaJ (Hsp40) homolog, subfamily B, member 6 pseudo-gene	processed pseudo-gene	1.0345	3.1809	7.9156	0.0049	0.0449
ENSG00000068079	IFI35	interferon induced protein 35 [Source:HGNC Symbol;Acc:HGNC:5399]	protein coding	1.0335	6.6398	22.0399	<0.0001	0.0001
ENSG00000239998	LILRA2	leukocyte immunoglobulin like receptor A2 [Source:HGNC Symbol;Acc:HGNC:6603]	protein coding	1.0335	6.8628	32.5422	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000186407	CD300E	CD300e molecule [Source:HGNC Sym- bol;Acc:HGNC:28874]	protein coding	1.0324	7.2601	32.6840	<0.0001	<0.0001
ENSG00000021355	SERPINB1	serpin family B member 1 [Source:HGNC Sym- bol;Acc:HGNC:3311]	protein coding	1.0298	8.3015	43.4014	<0.0001	<0.0001
ENSG00000197093	GAL3ST4	galactose-3-O-sulfotransferase 4 [Source:HGNC Sym- bol;Acc:HGNC:24145]	protein coding	-1.0272	3.2019	8.6910	0.0032	0.032
ENSG00000110719	TCIRG1	T cell immune regulator 1, AT- Pase H+ transporting V0 sub- unit a3 [Source:HGNC Sym- bol;Acc:HGNC:11647]	protein coding	1.0263	7.9658	49.3428	<0.0001	<0.0001
ENSG00000163993	S100P	S100 calcium binding pro- tein P [Source:HGNC Sym- bol;Acc:HGNC:10504]	protein coding	1.0257	3.3960	7.7010	0.0055	0.0492
ENSG00000144843	ADPRH	ADP-ribosylarginine hydro- lase [Source:HGNC Sym- bol;Acc:HGNC:269]	protein coding	1.0256	4.0349	13.1153	0.0003	0.005
ENSG00000130589	HELZ2	helicase with zinc finger 2 [Source:HGNC Sym- bol;Acc:HGNC:30021]	protein coding	1.0255	6.5034	16.7586	<0.0001	0.0011
ENSG00000164023	SGMS2	sphingomyelin synthase 2 [Source:HGNC Sym- bol;Acc:HGNC:28395]	protein coding	1.0246	3.8032	9.7265	0.0018	0.0208
ENSG00000100365	NCF4	neutrophil cytosolic fac- tor 4 [Source:HGNC Sym- bol;Acc:HGNC:7662]	protein coding	1.0237	6.0402	50.4759	<0.0001	<0.0001
ENSG00000183691	NOG	noggin [Source:HGNC Sym- bol;Acc:HGNC:7866]	protein coding	-1.0236	5.6671	19.6702	<0.0001	0.0003
ENSG00000132669	RIN2	Ras and Rab interactor 2 [Source:HGNC Sym- bol;Acc:HGNC:18750]	protein coding	1.0234	5.4142	28.5107	<0.0001	<0.0001
ENSG00000211806	TRAV25	T cell receptor alpha vari- able 25 [Source:HGNC Sym- bol;Acc:HGNC:12122]	TR V gene	-1.0198	3.4107	9.2568	0.0023	0.0252
ENSG00000187608	ISG15	ISG15 ubiquitin like mod- ifier [Source:HGNC Sym- bol;Acc:HGNC:4053]	protein coding	1.0176	7.6926	16.0264	<0.0001	0.0014

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000133216	EPHB2	EPH receptor B2 [Source:HGNC Symbol;Acc:HGNC:3393]	protein coding	1.0146	2.8476	7.7011	0.0055	0.0492
ENSG00000133106	EPSTI1	epithelial stromal interaction 1 [Source:HGNC Symbol;Acc:HGNC:16465]	protein coding	1.0135	6.3603	16.4629	<0.0001	0.0012
ENSG00000108479	GALK1	galactokinase 1 [Source:HGNC Symbol;Acc:HGNC:4118]	protein coding	1.0134	4.7687	23.8299	<0.0001	<0.0001
ENSG00000113916	BCL6	BCL6 transcription repressor [Source:HGNC Symbol;Acc:HGNC:1001]	protein coding	1.0124	6.1987	35.6714	<0.0001	<0.0001
ENSG00000207205	RNVU1-15	RNA, variant U1 small nuclear 15 [Source:HGNC Symbol;Acc:HGNC:48320]	snRNA	-1.0109	7.4985	9.2096	0.0024	0.0257
ENSG00000159082	SYNJ1	synaptojanin 1 [Source:HGNC Symbol;Acc:HGNC:11503]	protein coding	1.0105	5.3938	15.9407	<0.0001	0.0015
ENSG00000166145	SPINT1	serine peptidase inhibitor, Kunitz type 1 [Source:HGNC Symbol;Acc:HGNC:11246]	protein coding	1.0092	5.2099	26.9117	<0.0001	<0.0001
ENSG00000075420	FNDC3B	fibronectin type III domain containing 3B [Source:HGNC Symbol;Acc:HGNC:24670]	protein coding	1.0080	5.9338	33.8424	<0.0001	<0.0001
ENSG00000111144	LTA4H	leukotriene A4 hydro-lase [Source:HGNC Symbol;Acc:HGNC:6710]	protein coding	1.0078	8.1776	30.7749	<0.0001	<0.0001
ENSG00000181274	FRAT2	FRAT regulator of WNT signaling pathway 2 [Source:HGNC Symbol;Acc:HGNC:16048]	protein coding	1.0054	4.1428	12.8497	0.0003	0.0056
ENSG00000182541	LIMK2	LIM domain kinase 2 [Source:HGNC Symbol;Acc:HGNC:6614]	protein coding	1.0049	4.5883	23.7101	<0.0001	<0.0001
ENSG00000245164	LINC00861	long intergenic non-protein coding RNA 861 [Source:HGNC Symbol;Acc:HGNC:45133]	lncRNA	-1.0049	4.0659	9.7763	0.0018	0.0205
ENSG00000125538	IL1B	interleukin 1 beta [Source:HGNC Symbol;Acc:HGNC:5992]	protein coding	1.0046	3.4132	11.5931	0.0007	0.0094
ENSG00000120708	TGFBI	transforming growth factor beta induced [Source:HGNC Symbol;Acc:HGNC:11771]	protein coding	1.0027	8.4801	37.8517	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000170581	STAT2	signal transducer and activator of transcription 2 [Source:HGNC Symbol;Acc:HGNC:11363]	protein coding	1.0020	8.0999	31.6684	<0.0001	<0.0001
ENSG00000240247	DEFA1B	defensin alpha 1B [Source:HGNC Symbol;Acc:HGNC:33596]	protein coding	-1.0013	5.1003	18.3682	<0.0001	0.0005
ENSG00000082397	EPB41L3	erythrocyte membrane protein band 4.1 like 3 [Source:HGNC Symbol;Acc:HGNC:3380]	protein coding	1.0006	5.8415	26.5704	<0.0001	<0.0001
ENSG00000211786	TRAV8-2	T cell receptor alpha variable 8-2 [Source:HGNC Symbol;Acc:HGNC:12147]	TR V gene	-1.0001	4.0661	16.5092	<0.0001	0.0012
ENSG00000019991	HGF	hepatocyte growth factor [Source:HGNC Symbol;Acc:HGNC:4893]	protein coding	1.0001	4.3842	15.0116	0.0001	0.0022
ENSG00000186431	FCAR	Fc fragment of IgA receptor [Source:HGNC Symbol;Acc:HGNC:3608]	protein coding	0.9996	5.4451	25.5739	<0.0001	<0.0001
ENSG00000136869	TLR4	toll like receptor 4 [Source:HGNC Symbol;Acc:HGNC:11850]	protein coding	0.9994	5.3474	21.8989	<0.0001	0.0001
ENSG00000101236	RNF24	ring finger protein 24 [Source:HGNC Symbol;Acc:HGNC:13779]	protein coding	0.9975	3.8149	11.3862	0.0007	0.0103
ENSG00000116729	WLS	Wnt ligand secretion mediator [Source:HGNC Symbol;Acc:HGNC:30238]	protein coding	0.9963	5.4496	26.6587	<0.0001	<0.0001
ENSG00000232864	NUCKS1P1	nuclear casein kinase and cyclin dependent kinase substrate 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:51943]	processed pseudo-gene	-0.9951	2.8487	7.8655	0.005	0.0459
ENSG00000064932	SBNO2	strawberry notch homolog 2 [Source:HGNC Symbol;Acc:HGNC:29158]	protein coding	0.9949	6.6209	31.3562	<0.0001	<0.0001
ENSG00000206838	SNORA5A	small nucleolar RNA, H/ACA box 5A [Source:HGNC Symbol;Acc:HGNC:32588]	snoRNA	-0.9916	6.7537	16.6964	<0.0001	0.0011
ENSG00000123643	SLC36A1	solute carrier family 36 member 1 [Source:HGNC Symbol;Acc:HGNC:18761]	protein coding	0.9892	3.4801	14.8167	0.0001	0.0024

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000163563	MNDA	myeloid cell nuclear differentiation antigen [Source:HGNC Symbol;Acc:HGNC:7183]	protein coding	0.9886	9.4906	26.5757	<0.0001	<0.0001
ENSG00000087253	LPCAT2	lysophosphatidylcholine acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:26032]	protein coding	0.9856	6.1716	35.0034	<0.0001	<0.0001
ENSG00000147894	C9orf72	C9orf72-SMCR8 complex subunit [Source:HGNC Symbol;Acc:HGNC:28337]	protein coding	0.9844	4.5283	21.0215	<0.0001	0.0002
ENSG00000252835	SCARNA21	small Cajal body-specific RNA 21 [Source:HGNC Symbol;Acc:HGNC:32579]	scaRNA	-0.9841	7.8910	10.3080	0.0013	0.0162
ENSG00000170909	OSCAR	osteoclast associated Ig-like receptor [Source:HGNC Symbol;Acc:HGNC:29960]	protein coding	0.9819	6.5420	28.5069	<0.0001	<0.0001
ENSG00000215012	RTL10	retrotransposon Gag like 10 [Source:HGNC Symbol;Acc:HGNC:26112]	protein coding	-0.9818	3.8218	8.6743	0.0032	0.0322
ENSG00000060982	BCAT1	branched chain amino acid transaminase 1 [Source:HGNC Symbol;Acc:HGNC:976]	protein coding	0.9780	2.9375	8.7379	0.0031	0.0313
ENSG00000139725	RHOF	ras homolog family member F, filopodia associated [Source:HGNC Symbol;Acc:HGNC:15703]	protein coding	-0.9778	4.5835	11.7511	0.0006	0.0089
ENSG00000096060	FKBP5	FKBP prolyl isomerase 5 [Source:HGNC Symbol;Acc:HGNC:3721]	protein coding	0.9766	7.0687	17.9087	<0.0001	0.0006
ENSG00000173327	MAP3K11	mitogen-activated protein kinase kinase 11 [Source:HGNC Symbol;Acc:HGNC:6850]	protein coding	0.9765	5.3371	18.5166	<0.0001	0.0005
ENSG00000004939	SLC4A1	solute carrier family 4 member 1 (Diego blood group) [Source:HGNC Symbol;Acc:HGNC:11027]	protein coding	0.9759	5.1080	13.3816	0.0003	0.0045
ENSG00000146070	PLA2G7	phospholipase A2 group VII [Source:HGNC Symbol;Acc:HGNC:9040]	protein coding	0.9757	4.0609	7.8488	0.0051	0.0463

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000252947	SCARNA1	small Cajal body-specific RNA 1 [Source:HGNC Symbol;Acc:HGNC:32555]	scaRNA	-0.9754	8.7486	25.5641	<0.0001	<0.0001
ENSG00000089692	LAG3	lymphocyte activating 3 [Source:HGNC Symbol;Acc:HGNC:6476]	protein coding	0.9712	4.7301	12.6391	0.0004	0.006
ENSG00000231991	ANXA2P2	annexin A2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:539]	processed pseudo-gene	0.9706	7.8501	45.4701	<0.0001	<0.0001
ENSG00000106780	MEGF9	multiple EGF like domains 9 [Source:HGNC Symbol;Acc:HGNC:3234]	protein coding	0.9694	6.2704	40.3000	<0.0001	<0.0001
ENSG00000141526	SLC16A3	solute carrier family 16 member 3 [Source:HGNC Symbol;Acc:HGNC:10924]	protein coding	0.9686	7.5762	34.5241	<0.0001	<0.0001
ENSG00000173083	HPSE	heparanase [Source:HGNC Symbol;Acc:HGNC:5164]	protein coding	0.9682	5.7419	29.1840	<0.0001	<0.0001
ENSG00000171130	ATP6V0E2	ATPase H ⁺ transporting V0 subunit e2 [Source:HGNC Symbol;Acc:HGNC:21723]	protein coding	-0.9681	4.2864	13.3248	0.0003	0.0046
ENSG00000131069	ACSS2	acyl-CoA synthetase short chain family member 2 [Source:HGNC Symbol;Acc:HGNC:15814]	protein coding	0.9652	4.8441	25.4243	<0.0001	<0.0001
ENSG00000268027		novel transcript, sense intronic to CEACAM21	lncRNA	-0.9617	3.5182	7.7473	0.0054	0.0483
ENSG00000198585	NUDT16	nudix hydrolase 16 [Source:HGNC Symbol;Acc:HGNC:26442]	protein coding	0.9617	4.9205	21.5924	<0.0001	0.0001
ENSG00000198574	SH2D1B	SH2 domain containing 1B [Source:HGNC Symbol;Acc:HGNC:30416]	protein coding	-0.9589	4.1051	8.9111	0.0028	0.0292
ENSG00000134755	DSC2	desmocollin 2 [Source:HGNC Symbol;Acc:HGNC:3036]	protein coding	0.9589	5.8242	16.7835	<0.0001	0.001
ENSG00000169403	PTAFR	platelet activating factor receptor [Source:HGNC Symbol;Acc:HGNC:9582]	protein coding	0.9585	6.9573	36.8955	<0.0001	<0.0001
ENSG00000100097	LGALS1	galectin 1 [Source:HGNC Symbol;Acc:HGNC:6561]	protein coding	0.9569	8.2335	38.3466	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000137393	RNF144B	ring finger protein 144B [Source:HGNC Symbol;Acc:HGNC:21578]	protein coding	0.9547	4.0676	16.6600	<0.0001	0.0011
ENSG00000182511	FES	FES proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3657]	protein coding	0.9534	6.4936	41.4193	<0.0001	<0.0001
ENSG00000116157	GPX7	glutathione peroxidase 7 [Source:HGNC Symbol;Acc:HGNC:4559]	protein coding	-0.9476	4.5862	12.7120	0.0004	0.0059
ENSG00000182022	CHST15	carbohydrate sulfotransferase 15 [Source:HGNC Symbol;Acc:HGNC:18137]	protein coding	0.9467	5.2233	29.2949	<0.0001	<0.0001
ENSG00000165801	ARHGEF40	Rho guanine nucleotide exchange factor 40 [Source:HGNC Symbol;Acc:HGNC:25516]	protein coding	0.9465	5.1821	28.1044	<0.0001	<0.0001
ENSG00000035862	TIMP2	TIMP metalloproteinase inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:11821]	protein coding	0.9462	5.7283	26.3791	<0.0001	<0.0001
ENSG00000026103	FAS	Fas cell surface death receptor [Source:HGNC Symbol;Acc:HGNC:11920]	protein coding	0.9452	4.4318	11.2041	0.0008	0.0112
ENSG00000159399	HK2	hexokinase 2 [Source:HGNC Symbol;Acc:HGNC:4923]	protein coding	0.9443	6.5265	50.4967	<0.0001	<0.0001
ENSG00000113273	ARSB	arylsulfatase B [Source:HGNC Symbol;Acc:HGNC:714]	protein coding	0.9442	5.2003	17.0464	<0.0001	0.0009
ENSG00000196114	IFITM3P3	IFITM3 pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:54541]	processed pseudo-gene	0.9435	4.1932	8.9621	0.0028	0.0285
ENSG00000011422	PLAUR	plasminogen activator, urokinase receptor [Source:HGNC Symbol;Acc:HGNC:9053]	protein coding	0.9430	5.9787	37.4936	<0.0001	<0.0001
ENSG00000116663	FBXO6	F-box protein 6 [Source:HGNC Symbol;Acc:HGNC:13585]	protein coding	0.9429	4.7469	19.0245	<0.0001	0.0004
ENSG00000184220	CMSS1	cms1 ribosomal small subunit homolog [Source:HGNC Symbol;Acc:HGNC:28666]	protein coding	-0.9407	3.5597	8.5994	0.0034	0.0332
ENSG00000150403	TMCO3	transmembrane and coiled-coil domains 3 [Source:HGNC Symbol;Acc:HGNC:20329]	protein coding	0.9399	4.6675	15.9478	<0.0001	0.0015

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000198520	ARMH1	armadillo like helical domain containing 1 [Source:HGNC Symbol;Acc:HGNC:34345]	protein coding	-0.9394	3.5665	13.0326	0.0003	0.0052
ENSG00000254415	SIGLEC14	sialic acid binding Ig like lectin 14 [Source:HGNC Symbol;Acc:HGNC:32926]	protein coding	0.9387	5.5205	13.8190	0.0002	0.0037
ENSG00000235568	NFAM1	NFAT activating protein with ITAM motif 1 [Source:HGNC Symbol;Acc:HGNC:29872]	protein coding	0.9385	6.8253	33.9188	<0.0001	<0.0001
ENSG00000249026	CTNNA1P1	catenin alpha 1 pseudo-gene 1 [Source:HGNC Symbol;Acc:HGNC:2513]	processed pseudo-gene	0.9376	3.5585	12.9647	0.0003	0.0053
ENSG00000105355	PLIN3	perilipin 3 [Source:HGNC Symbol;Acc:HGNC:16893]	protein coding	0.9375	6.6808	39.1320	<0.0001	<0.0001
ENSG00000005381	MPO	myeloperoxidase [Source:HGNC Symbol;Acc:HGNC:7218]	protein coding	-0.9367	5.2197	20.4366	<0.0001	0.0002
ENSG00000204388	HSPA1B	heat shock protein family A (Hsp70) member 1B [Source:HGNC Symbol;Acc:HGNC:5233]	protein coding	0.9361	4.2531	13.0600	0.0003	0.0051
ENSG00000163751	CPA3	carboxypeptidase A3 [Source:HGNC Symbol;Acc:HGNC:2298]	protein coding	-0.9331	3.7342	8.4479	0.0037	0.0354
ENSG00000212342	IGKV1-16	immunoglobulin kappa variable 1-16 [Source:HGNC Symbol;Acc:HGNC:5732]	snoRNA	-0.9324	3.5293	9.8588	0.0017	0.0198
ENSG00000240864			IG V gene	-0.9317	3.4082	10.4580	0.0012	0.0152
ENSG00000212464	SNORA12	small nucleolar RNA, H/ACA box 12 [Source:HGNC Symbol;Acc:HGNC:32600]	snoRNA	-0.9278	4.0147	10.6641	0.0011	0.014
ENSG00000198053	SIRPA	signal regulatory protein alpha [Source:HGNC Symbol;Acc:HGNC:9662]	protein coding	0.9278	6.1451	26.8189	<0.0001	<0.0001
ENSG00000154027	AK5	adenylate kinase 5 [Source:HGNC Symbol;Acc:HGNC:365]	protein coding	-0.9278	4.0724	8.5211	0.0035	0.0344
ENSG00000189068	VSTM1	V-set and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29455]	protein coding	0.9274	4.1129	8.1362	0.0043	0.0407

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000260174		synaptogyrin 2 (SYNGR2) pseudo-gene	processed pseudo-gene	0.9263	4.2671	9.7842	0.0018	0.0204
ENSG00000164885	CDK5	cyclin dependent kinase 5 [Source:HGNC Symbol;Acc:HGNC:1774]	protein coding	0.9253	4.2686	17.3628	<0.0001	0.0008
ENSG00000099622	CIRBP	cold inducible RNA binding protein [Source:HGNC Symbol;Acc:HGNC:1982]	protein coding	-0.9222	7.1943	32.5352	<0.0001	<0.0001
ENSG00000066336	SPI1	Spi-1 proto-oncogene [Source:HGNC Symbol;Acc:HGNC:11241]	protein coding	0.9205	8.4298	37.3925	<0.0001	<0.0001
ENSG00000051825	MPHOSPH9	M-phase phosphoprotein 9 [Source:HGNC Symbol;Acc:HGNC:7215]	protein coding	-0.9178	3.9152	11.2495	0.0008	0.0109
ENSG00000168961	LGALS9	galectin 9 [Source:HGNC Symbol;Acc:HGNC:6570]	protein coding	0.9176	5.9647	14.9464	0.0001	0.0023
ENSG00000164323	CFAP97	cilia and flagella associated protein 97 [Source:HGNC Symbol;Acc:HGNC:29276]	protein coding	-0.9167	5.1320	22.7914	<0.0001	<0.0001
ENSG00000143486	EIF2D	eukaryotic translation initiation factor 2D [Source:HGNC Symbol;Acc:HGNC:6583]	protein coding	-0.9161	3.8927	9.8674	0.0017	0.0197
ENSG00000087086	FTL	ferritin light chain [Source:HGNC Symbol;Acc:HGNC:3999]	protein coding	0.9150	8.5543	36.3645	<0.0001	<0.0001
ENSG00000136830	NIBAN2	niban apoptosis regulator 2 [Source:HGNC Symbol;Acc:HGNC:25282]	protein coding	0.9137	6.0565	20.7614	<0.0001	0.0002
ENSG00000142512	SIGLEC10	sialic acid binding Ig like lectin 10 [Source:HGNC Symbol;Acc:HGNC:15620]	protein coding	0.9126	5.4623	29.2986	<0.0001	<0.0001
ENSG00000075426	FOSL2	FOS like 2, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3798]	protein coding	0.9125	5.9186	26.1372	<0.0001	<0.0001
ENSG00000177409	SAMD9L	sterile alpha motif domain containing 9 like [Source:HGNC Symbol;Acc:HGNC:1349]	protein coding	0.9122	6.9168	19.3088	<0.0001	0.0003

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211784	TRAV10	T cell receptor alpha variable 10 [Source:HGNC Symbol;Acc:HGNC:12103]	TR V gene	-0.9121	3.0935	9.3274	0.0023	0.0243
ENSG00000148737	TCF7L2	transcription factor 7 like 2 [Source:HGNC Symbol;Acc:HGNC:11641]	protein coding	0.9080	4.8448	17.3434	<0.0001	0.0008
ENSG00000163754	GYG1	glycogenin 1 [Source:HGNC Symbol;Acc:HGNC:4699]	protein coding	0.9079	5.4052	23.4372	<0.0001	<0.0001
ENSG00000138496	PARP9	poly(ADP-ribose) polymerase family member 9 [Source:HGNC Symbol;Acc:HGNC:24118]	protein coding	0.9072	7.4872	22.9115	<0.0001	<0.0001
ENSG00000204634	TBC1D8	TBC1 domain family member 8 [Source:HGNC Symbol;Acc:HGNC:17791]	protein coding	0.9062	4.2750	16.2039	<0.0001	0.0013
ENSG00000106565	TMEM176B	transmembrane 176B [Source:HGNC Symbol;Acc:HGNC:29596]	protein coding	0.9055	8.2093	41.1419	<0.0001	<0.0001
ENSG00000151458	ANKRD50	ankyrin repeat domain 50 [Source:HGNC Symbol;Acc:HGNC:29223]	protein coding	0.9054	4.1333	11.6446	0.0006	0.0092
ENSG00000141012	GALNS	galactosamine (N-acetyl)-6-sulfatase [Source:HGNC Symbol;Acc:HGNC:4122]	protein coding	0.9048	4.5959	18.3197	<0.0001	0.0005
ENSG00000104093	DMXL2	Dmx like 2 [Source:HGNC Symbol;Acc:HGNC:2938]	protein coding	0.9043	6.7769	21.2447	<0.0001	0.0001
ENSG00000142405	NLRP12	NLR family pyrin domain containing 12 [Source:HGNC Symbol;Acc:HGNC:22938]	protein coding	0.9035	5.0384	20.4172	<0.0001	0.0002
ENSG00000135821	GLUL	glutamate-ammonia ligase [Source:HGNC Symbol;Acc:HGNC:4341]	protein coding	0.9024	7.2977	48.5945	<0.0001	<0.0001
ENSG00000211820	TRAV41	T cell receptor alpha variable 41 [Source:HGNC Symbol;Acc:HGNC:12142]	TR V gene	-0.9024	3.3687	12.2457	0.0005	0.0072
ENSG00000177628	GBA	glucosylceramidase [Source:HGNC Symbol;Acc:HGNC:4177]	beta protein coding	0.9020	6.0959	20.9291	<0.0001	0.0002

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000183696	UPP1	uridine phosphorylase 1 [Source:HGNC Symbol;Acc:HGNC:12576]	protein coding	0.9010	5.0645	12.5090	0.0004	0.0064
ENSG00000110013	SIAE	sialic acid acetyltransferase [Source:HGNC Symbol;Acc:HGNC:18187]	protein coding	0.9007	5.1418	15.8656	<0.0001	0.0015
ENSG00000175489	LRRC25	leucine rich repeat containing 25 [Source:HGNC Symbol;Acc:HGNC:29806]	protein coding	0.9004	7.6271	36.8439	<0.0001	<0.0001
ENSG00000083444	PLOD1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:9081]	protein coding	0.8998	6.1788	29.9620	<0.0001	<0.0001
ENSG00000012779	ALOX5	arachidonate 5-lipoxygenase [Source:HGNC Symbol;Acc:HGNC:435]	protein coding	0.8992	7.9343	47.4719	<0.0001	<0.0001
ENSG00000076944	STXBP2	syntaxin binding protein 2 [Source:HGNC Symbol;Acc:HGNC:11445]	protein coding	0.8988	7.0067	43.2747	<0.0001	<0.0001
ENSG00000172216	CEBPB	CCAAT enhancer binding protein beta [Source:HGNC Symbol;Acc:HGNC:1834]	protein coding	0.8985	7.2905	43.9567	<0.0001	<0.0001
ENSG00000110057	UNC93B1	unc-93 homolog B1, TLR signaling regulator [Source:HGNC Symbol;Acc:HGNC:13481]	protein coding	0.8984	7.3089	25.7577	<0.0001	<0.0001
ENSG00000236480	PKMP1	pyruvate kinase M1/2 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:44243]	processed pseudogene	0.8977	6.5201	43.3914	<0.0001	<0.0001
ENSG00000178719	GRINA	glutamate ionotropic receptor NMDA type subunit associated protein 1 [Source:HGNC Symbol;Acc:HGNC:4589]	protein coding	0.8974	7.2179	37.7469	<0.0001	<0.0001
ENSG00000224397	SMIM25	small integral membrane protein 25 [Source:HGNC Symbol;Acc:HGNC:50328]	lncRNA	0.8964	4.4766	14.0609	0.0002	0.0033
ENSG00000129757	CDKN1C	cyclin dependent kinase inhibitor 1C [Source:HGNC Symbol;Acc:HGNC:1786]	protein coding	0.8949	5.0270	24.1930	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000085871	MGST2	microsomal glutathione S-transferase 2 [Source:HGNC Symbol;Acc:HGNC:7063]	protein coding	0.8946	4.4223	13.1488	0.0003	0.005
ENSG00000149474	KAT14	lysine acetyltransferase 14 [Source:HGNC Symbol;Acc:HGNC:15904]	protein coding	-0.8944	3.5677	8.9065	0.0028	0.0292
ENSG00000196352	CD55	CD55 molecule (Cromer blood group) [Source:HGNC Symbol;Acc:HGNC:2665]	protein coding	0.8926	8.1070	29.4406	<0.0001	<0.0001
ENSG00000137177	KIF13A	kinesin family member 13A [Source:HGNC Symbol;Acc:HGNC:14566]	protein coding	0.8926	4.1914	12.9251	0.0003	0.0054
ENSG00000201098	RNY1	RNA, Ro60-associated Y1 [Source:HGNC Symbol;Acc:HGNC:10242]	misc RNA	-0.8906	9.2368	12.1301	0.0005	0.0075
ENSG00000132357	CARD6	caspase recruitment domain family member 6 [Source:HGNC Symbol;Acc:HGNC:16394]	protein coding	0.8891	4.6882	14.5677	0.0001	0.0027
ENSG00000114268	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 [Source:HGNC Symbol;Acc:HGNC:8875]	protein coding	0.8880	4.4650	14.7599	0.0001	0.0024
ENSG00000187554	TLR5	toll like receptor 5 [Source:HGNC Symbol;Acc:HGNC:11851]	protein coding	0.8880	4.8313	12.1140	0.0005	0.0076
ENSG00000183735	TBK1	TANK binding kinase 1 [Source:HGNC Symbol;Acc:HGNC:11584]	protein coding	0.8874	5.0847	16.7869	<0.0001	0.001
ENSG00000064999	ANKS1A	ankyrin repeat and sterile alpha motif domain containing 1A [Source:HGNC Symbol;Acc:HGNC:20961]	protein coding	0.8824	4.5791	9.6084	0.0019	0.0217
ENSG00000188786	MTF1	metal regulatory transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:7428]	protein coding	0.8813	4.4071	14.7024	0.0001	0.0025
ENSG00000140987	ZSCAN32	zinc finger and SCAN domain containing 32 [Source:HGNC Symbol;Acc:HGNC:20812]	protein coding	-0.8791	3.7560	10.6304	0.0011	0.0142

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000005238	FAM214B	family with sequence similarity 214 member B [Source:HGNC Symbol;Acc:HGNC:25666]	protein coding	0.8783	3.4387	10.3028	0.0013	0.0162
ENSG00000161381	PLXDC1	plexin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20945]	protein coding	-0.8776	3.3452	8.2773	0.004	0.0384
ENSG00000136816	TOR1B	torsin family 1 member B [Source:HGNC Symbol;Acc:HGNC:11995]	protein coding	0.8768	6.0036	26.3309	<0.0001	<0.0001
ENSG00000206047	DEFA1	defensin alpha 1 [Source:HGNC Symbol;Acc:HGNC:2761]	protein coding	-0.8763	5.1747	15.0292	0.0001	0.0022
ENSG00000144802	NFKBIZ	NFKB inhibitor zeta [Source:HGNC Symbol;Acc:HGNC:29805]	protein coding	0.8736	5.6354	35.8066	<0.0001	<0.0001
ENSG00000149418	ST14	suppression of tumorigenicity 14 [Source:HGNC Symbol;Acc:HGNC:11344]	protein coding	0.8736	5.2002	13.4597	0.0002	0.0044
ENSG00000168995	SIGLEC7	sialic acid binding Ig like lectin 7 [Source:HGNC Symbol;Acc:HGNC:10876]	protein coding	0.8731	5.3174	25.4556	<0.0001	<0.0001
ENSG00000135838	NPL	N-acetylneuraminatase pyruvate lyase [Source:HGNC Symbol;Acc:HGNC:16781]	protein coding	0.8723	4.6554	16.6073	<0.0001	0.0011
ENSG00000173334	TRIB1	tribbles pseudokinase 1 [Source:HGNC Symbol;Acc:HGNC:16891]	protein coding	0.8710	3.8595	11.6431	0.0006	0.0092
ENSG00000247570	SDCBPP2	syndecan binding protein pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:44686]	processed pseudogene	0.8703	4.7753	18.3049	<0.0001	0.0005
ENSG00000002549	LAP3	leucine aminopeptidase 3 [Source:HGNC Symbol;Acc:HGNC:18449]	protein coding	0.8699	7.4147	12.4574	0.0004	0.0066
ENSG00000135047	CTSL	cathepsin L [Source:HGNC Symbol;Acc:HGNC:2537]	protein coding	0.8697	6.4079	21.4521	<0.0001	0.0001
ENSG00000108771	DHX58	DEXH-box helicase 58 [Source:HGNC Symbol;Acc:HGNC:29517]	protein coding	0.8695	4.9343	13.0090	0.0003	0.0053
ENSG00000182718	ANXA2	annexin A2 [Source:HGNC Symbol;Acc:HGNC:537]	protein coding	0.8685	7.5026	39.8181	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000113368	LMNB1	lamin B1 [Source:HGNC Symbol;Acc:HGNC:6637]	protein coding	0.8668	7.6174	29.0213	<0.0001	<0.0001
ENSG00000114023	FAM162A	family with sequence similarity 162 member A [Source:HGNC Symbol;Acc:HGNC:17865]	protein coding	-0.8655	4.5724	16.0624	<0.0001	0.0014
ENSG00000254685	FPGT	fucose-1-phosphate guanylyltransferase [Source:HGNC Symbol;Acc:HGNC:3825]	protein coding	0.8653	3.5175	8.5635	0.0034	0.0338
ENSG00000174791	RIN1	Ras and Rab interactor 1 [Source:HGNC Symbol;Acc:HGNC:18749]	protein coding	0.8638	3.3332	8.2337	0.0041	0.039
ENSG00000177954	RPS27	ribosomal protein S27 [Source:HGNC Symbol;Acc:HGNC:10416]	protein coding	-0.8629	4.3101	14.0772	0.0002	0.0033
ENSG00000085514	PILRA	paired immunoglobulin like type 2 receptor alpha [Source:HGNC Symbol;Acc:HGNC:20396]	protein coding	0.8627	7.1717	24.2614	<0.0001	<0.0001
ENSG00000111335	OAS2	2'-5'-oligoadenylate synthetase 2 [Source:HGNC Symbol;Acc:HGNC:8087]	protein coding	0.8621	8.7278	15.6419	<0.0001	0.0017
ENSG00000005020	SKAP2	src kinase associated phosphoprotein 2 [Source:HGNC Symbol;Acc:HGNC:15687]	protein coding	0.8604	6.7201	31.0484	<0.0001	<0.0001
ENSG00000011523	CEP68	centrosomal protein 68 [Source:HGNC Symbol;Acc:HGNC:29076]	protein coding	-0.8601	4.0376	9.0750	0.0026	0.0272
ENSG00000163840	DTX3L	deltex E3 ubiquitin ligase 3L [Source:HGNC Symbol;Acc:HGNC:30323]	protein coding	0.8583	7.3072	15.7635	<0.0001	0.0016
ENSG00000162747	FCGR3B	Fc fragment of IgG receptor IIIb [Source:HGNC Symbol;Acc:HGNC:3620]	protein coding	0.8565	5.4692	16.2997	<0.0001	0.0013
ENSG00000028116	VRK2	VRK serine/threonine kinase 2 [Source:HGNC Symbol;Acc:HGNC:12719]	protein coding	0.8548	4.7378	9.6542	0.0019	0.0214
ENSG00000100368	CSF2RB	colony stimulating factor 2 receptor subunit beta [Source:HGNC Symbol;Acc:HGNC:2436]	protein coding	0.8541	6.9482	25.7322	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000121060	TRIM25	tripartite motif containing 25 [Source:HGNC Symbol;Acc:HGNC:12932]	protein coding	0.8532	6.5112	38.6372	<0.0001	<0.0001
ENSG00000188536	HBA2	hemoglobin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:4824]	protein coding	0.8523	10.4405	15.5505	<0.0001	0.0017
ENSG00000269893	SNHG8	small nucleolar RNA host gene 8 [Source:HGNC Symbol;Acc:HGNC:33098]	lncRNA	-0.8514	4.2652	7.8413	0.0051	0.0463
ENSG00000172005	MAL	mal, T cell differentiation protein [Source:HGNC Symbol;Acc:HGNC:6817]	protein coding	-0.8513	5.9214	15.6731	<0.0001	0.0017
ENSG00000084234	APLP2	amyloid beta precursor like protein 2 [Source:HGNC Symbol;Acc:HGNC:598]	protein coding	0.8498	10.2733	20.4321	<0.0001	0.0002
ENSG00000166669	ATF7IP2	activating transcription factor 7 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:20397]	protein coding	-0.8472	3.7383	9.8708	0.0017	0.0197
ENSG00000138760	SCARB2	scavenger receptor class B member 2 [Source:HGNC Symbol;Acc:HGNC:1665]	protein coding	0.8467	6.4653	18.6801	<0.0001	0.0005
ENSG00000135677	GNS	glucosamine (N-acetyl)-6-sulfatase [Source:HGNC Symbol;Acc:HGNC:4422]	protein coding	0.8453	8.5227	29.2194	<0.0001	<0.0001
ENSG00000148411	NACC2	NACC family member 2 [Source:HGNC Symbol;Acc:HGNC:23846]	protein coding	0.8432	4.6836	12.4133	0.0004	0.0067
ENSG00000052749	RRP12	ribosomal RNA processing 12 homolog [Source:HGNC Symbol;Acc:HGNC:29100]	protein coding	0.8427	5.9509	31.5722	<0.0001	<0.0001
ENSG00000103313	MEFV	MEFV innate immunity regulator, pyrin [Source:HGNC Symbol;Acc:HGNC:6998]	protein coding	0.8421	7.0342	37.0977	<0.0001	<0.0001
ENSG00000196730	DAPK1	death associated protein kinase 1 [Source:HGNC Symbol;Acc:HGNC:2674]	protein coding	0.8416	5.2732	21.6980	<0.0001	0.0001
ENSG00000105383	CD33	CD33 molecule [Source:HGNC Symbol;Acc:HGNC:1659]	protein coding	0.8415	4.8504	16.8969	<0.0001	0.001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000163453	IGFBP7	insulin like growth factor binding protein 7 [Source:HGNC Symbol;Acc:HGNC:5476]	protein coding	0.8414	4.9860	14.0650	0.0002	0.0033
ENSG00000121552	CSTA	cystatin A [Source:HGNC Symbol;Acc:HGNC:2481]	protein coding	0.8408	5.4554	15.2574	<0.0001	0.002
ENSG00000254470	AP5B1	adaptor related protein complex 5 subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:25104]	protein coding	0.8407	5.5999	26.7783	<0.0001	<0.0001
ENSG00000114573	ATP6V1A	ATPase H+ transporting V1 subunit A [Source:HGNC Symbol;Acc:HGNC:851]	protein coding	0.8405	7.4676	32.3520	<0.0001	<0.0001
ENSG00000189430	NCR1	natural cytotoxicity triggering receptor 1 [Source:HGNC Symbol;Acc:HGNC:6731]	protein coding	-0.8403	4.7500	11.4306	0.0007	0.0101
ENSG00000116741	RGS2	regulator of G protein signaling 2 [Source:HGNC Symbol;Acc:HGNC:9998]	protein coding	0.8379	6.5968	19.0720	<0.0001	0.0004
ENSG00000166927	MS4A7	membrane spanning 4-domains A7 [Source:HGNC Symbol;Acc:HGNC:13378]	protein coding	0.8351	6.0705	37.5814	<0.0001	<0.0001
ENSG00000089041	P2RX7	purinergic receptor P2X 7 [Source:HGNC Symbol;Acc:HGNC:8537]	protein coding	0.8339	5.5528	17.8126	<0.0001	0.0007
ENSG00000211788	TRAV13-1	T cell receptor alpha variable 13-1 [Source:HGNC Symbol;Acc:HGNC:12108]	TR V gene	-0.8328	4.7817	11.6200	0.0007	0.0093
ENSG00000124491	F13A1	coagulation factor XIII A chain [Source:HGNC Symbol;Acc:HGNC:3531]	protein coding	0.8324	7.2967	19.1995	<0.0001	0.0004
ENSG00000119457	SLC46A2	solute carrier family 46 member 2 [Source:HGNC Symbol;Acc:HGNC:16055]	protein coding	0.8322	4.6695	12.7358	0.0004	0.0058
ENSG00000198081	ZBTB14	zinc finger and BTB domain containing 14 [Source:HGNC Symbol;Acc:HGNC:12860]	protein coding	-0.8320	4.4505	9.6294	0.0019	0.0216
ENSG00000140743	CDR2	cerebellar degeneration related protein 2 [Source:HGNC Symbol;Acc:HGNC:1799]	protein coding	-0.8318	5.5333	19.0972	<0.0001	0.0004

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000172331	BPGM	bisphosphoglycerate mutase [Source:HGNC Symbol;Acc:HGNC:1093]	protein coding	0.8300	5.8234	10.7380	0.001	0.0136
ENSG00000013364	MVP	major vault protein [Source:HGNC Symbol;Acc:HGNC:7531]	protein coding	0.8287	8.5674	28.4692	<0.0001	<0.0001
ENSG00000186074	CD300LF	CD300 molecule like family member f [Source:HGNC Symbol;Acc:HGNC:29883]	protein coding	0.8279	5.9919	22.8992	<0.0001	<0.0001
ENSG00000054523	KIF1B	kinesin family member 1B [Source:HGNC Symbol;Acc:HGNC:16636]	protein coding	0.8269	4.7202	10.7276	0.0011	0.0137
ENSG00000127954	STEAP4	STEAP4 metalloendopeptidase [Source:HGNC Symbol;Acc:HGNC:21923]	protein coding	0.8262	4.5295	10.4420	0.0012	0.0153
ENSG00000148180	GSN	gelsolin [Source:HGNC Symbol;Acc:HGNC:4620]	protein coding	0.8242	7.1472	31.1073	<0.0001	<0.0001
ENSG00000125505	MBOAT7	membrane bound O-acyltransferase domain containing 7 [Source:HGNC Symbol;Acc:HGNC:15505]	protein coding	0.8234	7.4175	23.9147	<0.0001	<0.0001
ENSG00000157216	SSBP3	single stranded DNA binding protein 3 [Source:HGNC Symbol;Acc:HGNC:15674]	protein coding	-0.8207	4.6260	13.4015	0.0003	0.0044
ENSG00000065911	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:HGNC Symbol;Acc:HGNC:7434]	protein coding	0.8200	4.8138	22.1931	<0.0001	<0.0001
ENSG00000211793	TRAV9-2	T cell receptor alpha variable 9-2 [Source:HGNC Symbol;Acc:HGNC:12154]	TR V gene	-0.8188	4.1021	8.1234	0.0044	0.0409
ENSG00000236942		GABA(A) receptor-associated protein (GABARAP) pseudogene	processed pseudogene	0.8188	4.2917	7.6687	0.0056	0.0498
ENSG00000145687	SSBP2	single stranded DNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:15831]	protein coding	-0.8187	4.8684	21.0616	<0.0001	0.0002

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000140090	SLC24A4	solute carrier family 24 member 4 [Source:HGNC Symbol;Acc:HGNC:10978]	protein coding	0.8179	5.0847	18.4422	<0.0001	0.0005
ENSG00000211746	TRBV19	T cell receptor beta variable 19 [Source:HGNC Symbol;Acc:HGNC:12194]	TR V gene	-0.8155	5.6574	14.7183	0.0001	0.0025
ENSG00000159339	PADI4	peptidyl arginine deiminase 4 [Source:HGNC Symbol;Acc:HGNC:18368]	protein coding	0.8151	6.0907	18.6732	<0.0001	0.0005
ENSG00000160654	CD3G	CD3g molecule [Source:HGNC Symbol;Acc:HGNC:1675]	protein coding	-0.8149	8.5472	25.1403	<0.0001	<0.0001
ENSG00000165879	FRAT1	FRAT regulator of WNT signaling pathway 1 [Source:HGNC Symbol;Acc:HGNC:3944]	protein coding	0.8147	4.2465	12.8238	0.0003	0.0056
ENSG00000204389	HSPA1A	heat shock protein family A (Hsp70) member 1A [Source:HGNC Symbol;Acc:HGNC:5232]	protein coding	0.8118	5.9168	24.6453	<0.0001	<0.0001
ENSG00000168404	MLKL	mixed lineage kinase domain like pseudokinase [Source:HGNC Symbol;Acc:HGNC:26617]	protein coding	0.8113	5.3600	28.6970	<0.0001	<0.0001
ENSG00000223609	HBD	hemoglobin subunit delta [Source:HGNC Symbol;Acc:HGNC:4829]	protein coding	0.8112	10.9775	17.2366	<0.0001	0.0009
ENSG00000108582	CPD	carboxypeptidase D [Source:HGNC Symbol;Acc:HGNC:2301]	protein coding	0.8089	7.4823	21.6581	<0.0001	0.0001
ENSG00000101307	SIRPB1	signal regulatory protein beta 1 [Source:HGNC Symbol;Acc:HGNC:15928]	protein coding	0.8064	6.0885	31.6005	<0.0001	<0.0001
ENSG00000160185	UBASH3A	ubiquitin associated and SH3 domain containing A [Source:HGNC Symbol;Acc:HGNC:12462]	protein coding	-0.8062	5.4930	13.8961	0.0002	0.0036
ENSG00000125844	RRBP1	ribosome binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10448]	protein coding	0.8055	7.0620	24.0795	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000132530	XAF1	XIAP associated factor 1 [Source:HGNC Symbol;Acc:HGNC:30932]	protein coding	0.8046	5.7727	15.3701	<0.0001	0.0019
ENSG00000197006	METTL9	methyltransferase 9 [Source:HGNC Symbol;Acc:HGNC:24586]	protein coding	0.8041	6.2231	25.2120	<0.0001	<0.0001
ENSG00000059377	TBXAS1	thromboxane A synthase 1 [Source:HGNC Symbol;Acc:HGNC:11609]	protein coding	0.8040	7.4782	32.4509	<0.0001	<0.0001
ENSG00000163932	PRKCD	protein kinase C delta [Source:HGNC Symbol;Acc:HGNC:9399]	protein coding	0.8037	7.7178	35.2395	<0.0001	<0.0001
ENSG00000111775	COX6A1	cytochrome c oxidase subunit 6A1 [Source:HGNC Symbol;Acc:HGNC:2277]	protein coding	-0.8034	5.2471	9.0051	0.0027	0.0279
ENSG00000187653	TMSB4XP8	TMSB4X pseudogene 8 [Source:HGNC Symbol;Acc:HGNC:11885]	processed pseudo-gene	-0.8018	4.6177	9.0298	0.0027	0.0276
ENSG00000119321	FKBP15	FKBP prolyl isomerase 15 [Source:HGNC Symbol;Acc:HGNC:23397]	protein coding	0.8011	6.9347	33.9092	<0.0001	<0.0001
ENSG00000103490	PYCARD	PYD and CARD domain containing [Source:HGNC Symbol;Acc:HGNC:16608]	protein coding	0.8007	6.3378	24.8463	<0.0001	<0.0001
ENSG00000138378	STAT4	signal transducer and activator of transcription 4 [Source:HGNC Symbol;Acc:HGNC:11365]	protein coding	-0.8001	4.5082	10.7222	0.0011	0.0137
ENSG00000105205	CLC	Charcot-Leyden crystal galectin [Source:HGNC Symbol;Acc:HGNC:2014]	protein coding	-0.8000	4.2872	9.1888	0.0024	0.0258
ENSG00000218426		60S ribosomal protein L27a (RPL27A) pseudogene	processed pseudo-gene	-0.7989	6.2211	19.9007	<0.0001	0.0003
ENSG00000187796	CARD9	caspase recruitment domain family member 9 [Source:HGNC Symbol;Acc:HGNC:16391]	protein coding	0.7978	4.7057	10.7596	0.001	0.0135
ENSG00000163191	S100A11	S100 calcium binding protein A11 [Source:HGNC Symbol;Acc:HGNC:10488]	protein coding	0.7977	8.9863	24.1266	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000188906	LRRK2	leucine rich repeat kinase 2 [Source:HGNC Symbol;Acc:HGNC:18618]	protein coding	0.7963	7.7162	28.9585	<0.0001	<0.0001
ENSG00000158869	FCER1G	Fc fragment of IgE receptor Ig [Source:HGNC Symbol;Acc:HGNC:3611]	protein coding	0.7939	8.2686	29.0740	<0.0001	<0.0001
ENSG00000183022	TPM3P8	tropomyosin 3 pseudogene 8 [Source:HGNC Symbol;Acc:HGNC:39171]	processed pseudo-gene	0.7933	4.2219	8.3149	0.0039	0.0377
ENSG00000225697	SLC26A6	solute carrier family 26 member 6 [Source:HGNC Symbol;Acc:HGNC:14472]	protein coding	0.7910	4.1937	12.1196	0.0005	0.0076
ENSG00000149782	PLCB3	phospholipase C 3 [Source:HGNC Symbol;Acc:HGNC:9056]	protein coding	0.7907	4.2550	10.4111	0.0013	0.0155
ENSG00000173114	LRRN3	leucine rich repeat neuronal 3 [Source:HGNC Symbol;Acc:HGNC:17200]	protein coding	-0.7901	6.5491	30.6569	<0.0001	<0.0001
ENSG00000172322	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	protein coding	0.7897	7.3342	21.0136	<0.0001	0.0002
ENSG00000008324	SS18L2	SS18 like 2 [Source:HGNC Symbol;Acc:HGNC:15593]	protein coding	-0.7859	4.4760	12.1640	0.0005	0.0075
ENSG00000139193	CD27	CD27 molecule [Source:HGNC Symbol;Acc:HGNC:11922]	protein coding	-0.7858	7.2304	17.9261	<0.0001	0.0006
ENSG00000117115	PADI2	peptidyl arginine deiminase 2 [Source:HGNC Symbol;Acc:HGNC:18341]	protein coding	0.7835	4.9884	10.6405	0.0011	0.0141
ENSG00000167106	FAM102A	family with sequence similarity 102 member A [Source:HGNC Symbol;Acc:HGNC:31419]	protein coding	-0.7830	6.1330	20.3557	<0.0001	0.0002
ENSG00000196743	GM2A	GM2 ganglioside activator [Source:HGNC Symbol;Acc:HGNC:4367]	protein coding	0.7826	6.8184	30.3722	<0.0001	<0.0001
ENSG00000140563	MCTP2	multiple C2 and transmembrane domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25636]	protein coding	0.7802	5.0140	15.9400	<0.0001	0.0015

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000160746	ANO10	anoctamin 10 [Source:HGNC Symbol;Acc:HGNC:25519]	protein coding	0.7775	4.4784	14.0118	0.0002	0.0034
ENSG00000085491	SLC25A24	solute carrier family 25 member 24 [Source:HGNC Symbol;Acc:HGNC:20662]	protein coding	0.7758	6.1024	20.9845	<0.0001	0.0002
ENSG00000147459	DOCK5	dedicator of cytokinesis 5 [Source:HGNC Symbol;Acc:HGNC:23476]	protein coding	0.7755	5.3213	12.0876	0.0005	0.0077
ENSG00000169877	AHSP	alpha hemoglobin stabilizing protein [Source:HGNC Symbol;Acc:HGNC:18075]	protein coding	0.7738	5.5000	15.1029	0.0001	0.0021
ENSG00000030582	GRN	granulin precursor [Source:HGNC Symbol;Acc:HGNC:4601]	protein coding	0.7729	10.5347	16.0799	<0.0001	0.0014
ENSG00000146828	SLC12A9	solute carrier family 12 member 9 [Source:HGNC Symbol;Acc:HGNC:17435]	protein coding	0.7725	6.2939	27.7722	<0.0001	<0.0001
ENSG00000110446	SLC15A3	solute carrier family 15 member 3 [Source:HGNC Symbol;Acc:HGNC:18068]	protein coding	0.7701	6.6002	22.1859	<0.0001	<0.0001
ENSG00000130775	THEMIS2	thymocyte selection associated family member 2 [Source:HGNC Symbol;Acc:HGNC:16839]	protein coding	0.7664	8.0034	33.4380	<0.0001	<0.0001
ENSG00000133773	CCDC59	coiled-coil domain containing 59 [Source:HGNC Symbol;Acc:HGNC:25005]	protein coding	-0.7655	3.8404	8.9345	0.0028	0.0289
ENSG00000105088	OLFM2	olfactomedin 2 [Source:HGNC Symbol;Acc:HGNC:17189]	protein coding	-0.7649	4.2774	9.6369	0.0019	0.0215
ENSG00000152213	ARL11	ADP ribosylation factor like GTPase 11 [Source:HGNC Symbol;Acc:HGNC:24046]	protein coding	0.7647	4.3575	12.4014	0.0004	0.0067
ENSG00000213934	HBG1	hemoglobin subunit gamma 1 [Source:HGNC Symbol;Acc:HGNC:4831]	protein coding	0.7636	8.0133	27.6115	<0.0001	<0.0001
ENSG00000254704		macrophage expressed 1 (MPEG1) pseudogene	processed pseudogene	0.7616	5.3976	9.5652	0.002	0.022

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000187446	CHP1	calcineurin like EF-hand protein 1 [Source:HGNC Symbol;Acc:HGNC:17433]	protein coding	0.7616	5.2551	12.0383	0.0005	0.0078
ENSG00000206172	HBA1	hemoglobin subunit 1 [Source:HGNC Symbol;Acc:HGNC:4823]	protein coding	0.7612	10.4089	12.6466	0.0004	0.006
ENSG00000196565	HBG2	hemoglobin subunit 2 [Source:HGNC Symbol;Acc:HGNC:4832]	protein coding	0.7605	6.9165	13.4103	0.0003	0.0044
ENSG00000211892	IGHG4	immunoglobulin constant gamma 4 (G4m marker) [Source:HGNC Symbol;Acc:HGNC:5528]	heavy IG C gene	-0.7597	5.4252	17.8138	<0.0001	0.0007
ENSG00000231434		heat shock 90kDa protein 1, alpha (HSPCA) pseudogene	processed pseudo-gene	0.7558	4.7995	11.6927	0.0006	0.0091
ENSG00000277918	RNVU1-28	RNA, variant U1 small nuclear 28 [Source:HGNC Symbol;Acc:HGNC:54432]	snRNA	-0.7550	5.5309	13.7812	0.0002	0.0038
ENSG00000232380	ZDHHC20P4	zinc finger DHHC-type containing 20 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:39776]	processed pseudo-gene	0.7545	4.1676	8.0723	0.0045	0.0418
ENSG00000129566	TEP1	telomerase associated protein 1 [Source:HGNC Symbol;Acc:HGNC:11726]	protein coding	0.7543	6.8650	31.7286	<0.0001	<0.0001
ENSG00000171298	GAA	glucosidase alpha, acid [Source:HGNC Symbol;Acc:HGNC:4065]	protein coding	0.7538	7.7623	21.5379	<0.0001	0.0001
ENSG00000211776	TRAV2	T cell receptor alpha variable 2 [Source:HGNC Symbol;Acc:HGNC:12116]	TR V gene	-0.7535	4.0111	8.2360	0.0041	0.039
ENSG00000173208	ABCD2	ATP binding cassette subfamily D member 2 [Source:HGNC Symbol;Acc:HGNC:66]	protein coding	-0.7534	4.2200	8.8146	0.003	0.0304
ENSG00000211777	TRAV3	T cell receptor alpha variable 3 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:12128]	TR V gene	-0.7533	3.8828	8.2348	0.0041	0.039

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000030419	IKZF2	IKAROS family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:13177]	protein coding	-0.7524	5.3083	17.0000	<0.0001	0.001
ENSG00000120868	APAF1	apoptotic peptidase activating factor 1 [Source:HGNC Symbol;Acc:HGNC:576]	protein coding	0.7511	6.2212	18.1419	<0.0001	0.0006
ENSG00000141505	ASGR1	asialoglycoprotein receptor 1 [Source:HGNC Symbol;Acc:HGNC:742]	protein coding	0.7506	4.7525	12.1409	0.0005	0.0075
ENSG00000140105	WARS1	tryptophanyl-tRNA synthetase 1 [Source:HGNC Symbol;Acc:HGNC:12729]	protein coding	0.7499	8.5075	9.3467	0.0022	0.0242
ENSG00000135077	HAVCR2	hepatitis A virus cellular receptor 2 [Source:HGNC Symbol;Acc:HGNC:18437]	protein coding	0.7499	5.1344	10.9190	0.001	0.0126
ENSG00000265148	TSPOAP1-AS1	TSPOAP1, SUPT4H1 and RNF43 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44148]	lncRNA	-0.7487	4.0204	9.0380	0.0026	0.0275
ENSG00000178562	CD28	CD28 molecule [Source:HGNC Symbol;Acc:HGNC:1653]	protein coding	-0.7466	6.4468	22.5078	<0.0001	<0.0001
ENSG00000176845	METRNL	meteorin like, glial cell differentiation regulator [Source:HGNC Symbol;Acc:HGNC:27584]	protein coding	0.7463	4.7923	12.9097	0.0003	0.0054
ENSG00000104324	CPQ	carboxypeptidase Q [Source:HGNC Symbol;Acc:HGNC:16910]	protein coding	0.7453	5.7070	16.8340	<0.0001	0.001
ENSG00000052723	SIKE1	suppressor of IKBKE 1 [Source:HGNC Symbol;Acc:HGNC:26119]	protein coding	-0.7448	4.8430	15.9850	<0.0001	0.0015
ENSG00000115267	IFIH1	interferon induced with helicase C domain 1 [Source:HGNC Symbol;Acc:HGNC:18873]	protein coding	0.7447	6.3124	14.4163	0.0001	0.0028
ENSG00000198001	IRAK4	interleukin 1 receptor associated kinase 4 [Source:HGNC Symbol;Acc:HGNC:17967]	protein coding	0.7442	4.8381	9.7888	0.0018	0.0204
ENSG00000164111	ANXA5	annexin A5 [Source:HGNC Symbol;Acc:HGNC:543]	protein coding	0.7439	8.5126	21.9773	<0.0001	0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000137628	DDX60	DEXD/H-box helicase 60 [Source:HGNC Symbol;Acc:HGNC:25942]	protein coding	0.7433	7.1643	16.6567	<0.0001	0.0011
ENSG00000119535	CSF3R	colony stimulating factor 3 receptor [Source:HGNC Symbol;Acc:HGNC:2439]	protein coding	0.7422	7.2486	22.7153	<0.0001	<0.0001
ENSG00000116260	QSOX1	quiescin sulfhydryl oxidase 1 [Source:HGNC Symbol;Acc:HGNC:9756]	protein coding	0.7421	7.0205	21.9263	<0.0001	0.0001
ENSG00000118181	RPS25	ribosomal protein S25 [Source:HGNC Symbol;Acc:HGNC:10413]	protein coding	-0.7391	6.3689	20.3026	<0.0001	0.0002
ENSG00000115919	KYNU	kynureninase [Source:HGNC Symbol;Acc:HGNC:6469]	protein coding	0.7381	5.2827	12.1024	0.0005	0.0076
ENSG00000155629	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:30034]	protein coding	0.7379	7.7760	29.1509	<0.0001	<0.0001
ENSG00000078687	TNRC6C	trinucleotide repeat containing adaptor 6C [Source:HGNC Symbol;Acc:HGNC:29318]	protein coding	-0.7377	4.6969	13.6574	0.0002	0.004
ENSG00000211814	TRAV35	T cell receptor alpha variable 35 [Source:HGNC Symbol;Acc:HGNC:12134]	TR V pseudo-gene	-0.7377	3.3656	7.7311	0.0054	0.0487
ENSG00000211801	TRAV21	T cell receptor alpha variable 21 [Source:HGNC Symbol;Acc:HGNC:12118]	TR V gene	-0.7362	5.2373	12.7955	0.0003	0.0057
ENSG00000121858	TNFSF10	TNF superfamily member 10 [Source:HGNC Symbol;Acc:HGNC:11925]	protein coding	0.7358	8.0011	16.8719	<0.0001	0.001
ENSG00000090376	IRAK3	interleukin 1 receptor associated kinase 3 [Source:HGNC Symbol;Acc:HGNC:17020]	protein coding	0.7353	5.9758	19.2186	<0.0001	0.0004
ENSG00000151490	PTPRO	protein tyrosine phosphatase receptor type O [Source:HGNC Symbol;Acc:HGNC:9678]	protein coding	0.7350	4.2894	7.9410	0.0048	0.0443
ENSG00000095380	NANS	N-acetylneuraminate synthase [Source:HGNC Symbol;Acc:HGNC:19237]	protein coding	0.7345	4.7158	14.8143	0.0001	0.0024

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000152894	PTPRK	protein tyrosine phosphatase receptor type K [Source:HGNC Symbol;Acc:HGNC:9674]	protein coding	-0.7335	4.1700	12.1736	0.0005	0.0074
ENSG00000120725	SIL1	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:24624]	protein coding	0.7302	5.1380	14.5200	0.0001	0.0027
ENSG00000007237	GAS7	growth arrest specific 7 [Source:HGNC Symbol;Acc:HGNC:4169]	protein coding	0.7278	5.9028	21.1536	<0.0001	0.0002
ENSG00000160255	ITGB2	integrin subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:6155]	protein coding	0.7278	12.0580	12.4352	0.0004	0.0066
ENSG00000115523	GNLY	granulysin [Source:HGNC Symbol;Acc:HGNC:4414]	protein coding	-0.7272	8.8196	16.0601	<0.0001	0.0014
ENSG00000101347	SAMHD1	SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:15925]	protein coding	0.7259	9.6399	18.7053	<0.0001	0.0004
ENSG00000137312	FLOT1	flotillin 1 [Source:HGNC Symbol;Acc:HGNC:3757]	protein coding	0.7224	6.4664	28.9875	<0.0001	<0.0001
ENSG00000130164	LDLR	low density lipoprotein receptor [Source:HGNC Symbol;Acc:HGNC:6547]	protein coding	0.7224	5.8510	11.2822	0.0008	0.0108
ENSG00000138801	PAPSS1	3'-phosphoadenosine 5'-phosphosulfate synthase 1 [Source:HGNC Symbol;Acc:HGNC:8603]	protein coding	0.7222	6.4311	22.4170	<0.0001	<0.0001
ENSG00000099204	ABLIM1	actin binding LIM 1 [Source:HGNC Symbol;Acc:HGNC:78]	protein coding	-0.7215	6.6690	20.3357	<0.0001	0.0002
ENSG00000144959	NCEH1	neutral cholesterol ester hydrolase 1 [Source:HGNC Symbol;Acc:HGNC:29260]	protein coding	0.7206	4.8258	8.7703	0.0031	0.0309
ENSG00000196975	ANXA4	annexin A4 [Source:HGNC Symbol;Acc:HGNC:542]	protein coding	0.7188	6.3964	29.4841	<0.0001	<0.0001
ENSG00000169508	GPR183	G protein-coupled receptor 183 [Source:HGNC Symbol;Acc:HGNC:3128]	protein coding	-0.7163	6.8436	17.0899	<0.0001	0.0009

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000170385	SLC30A1	solute carrier family 30 member 1 [Source:HGNC Symbol;Acc:HGNC:11012]	protein coding	0.7160	6.2517	18.7427	<0.0001	0.0004
ENSG00000067225	PKM	pyruvate kinase M1/2 [Source:HGNC Symbol;Acc:HGNC:9021]	protein coding	0.7155	9.6641	20.8585	<0.0001	0.0002
ENSG00000137441	FGFBP2	fibroblast growth factor binding protein 2 [Source:HGNC Symbol;Acc:HGNC:29451]	protein coding	-0.7152	6.7746	10.5804	0.0011	0.0145
ENSG00000167286	CD3D	CD3d molecule [Source:HGNC Symbol;Acc:HGNC:1673]	protein coding	-0.7149	8.6161	12.9334	0.0003	0.0054
ENSG00000163162	RNF149	ring finger protein 149 [Source:HGNC Symbol;Acc:HGNC:23137]	protein coding	0.7143	7.9179	20.8276	<0.0001	0.0002
ENSG00000204386	NEU1	neuraminidase 1 [Source:HGNC Symbol;Acc:HGNC:7758]	protein coding	0.7139	5.9358	9.9830	0.0016	0.0187
ENSG00000135604	STX11	syntaxin 11 [Source:HGNC Symbol;Acc:HGNC:11429]	protein coding	0.7128	6.2616	25.0550	<0.0001	<0.0001
ENSG00000211807	TRAV26-1	T cell receptor alpha variable 26-1 [Source:HGNC Symbol;Acc:HGNC:12123]	TR V gene	-0.7110	4.2609	9.0467	0.0026	0.0275
ENSG00000277734	TRAC	T cell receptor alpha constant [Source:HGNC Symbol;Acc:HGNC:12029]	TR C gene	-0.7103	8.9015	16.5763	<0.0001	0.0011
ENSG00000011600	TYROBP	transmembrane immune signaling adaptor TYROBP [Source:HGNC Symbol;Acc:HGNC:12449]	protein coding	0.7096	8.6759	20.2480	<0.0001	0.0002
ENSG00000274210	RNVU1-27	RNA, variant U1 small nuclear 27 [Source:HGNC Symbol;Acc:HGNC:54431]	snRNA	-0.7092	4.9771	13.7537	0.0002	0.0038
ENSG00000102760	RGCC	regulator of cell cycle [Source:HGNC Symbol;Acc:HGNC:20369]	protein coding	-0.7083	5.1215	15.3706	<0.0001	0.0019
ENSG00000103353	UBFD1	ubiquitin family domain containing 1 [Source:HGNC Symbol;Acc:HGNC:30565]	protein coding	0.7066	4.1600	10.5414	0.0012	0.0147
ENSG00000085563	ABCB1	ATP binding cassette subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:40]	protein coding	-0.7057	4.9298	8.6935	0.0032	0.032

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000170266	GLB1	galactosidase beta 1 [Source:HGNC Symbol;Acc:HGNC:4298]	protein coding	0.7053	7.0632	23.7770	<0.0001	<0.0001
ENSG00000189077	TMEM120A	transmembrane protein 120A [Source:HGNC Symbol;Acc:HGNC:21697]	protein coding	0.7048	4.2615	9.4205	0.0021	0.0233
ENSG00000148346	LCN2	lipocalin 2 [Source:HGNC Symbol;Acc:HGNC:6526]	protein coding	-0.7043	5.1861	10.2332	0.0014	0.0167
ENSG00000103381	CPPED1	calcineurin like phospho-esterase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25632]	protein coding	0.7041	7.3521	30.8704	<0.0001	<0.0001
ENSG00000173821	RNF213	ring finger protein 213 [Source:HGNC Symbol;Acc:HGNC:14539]	protein coding	0.7040	10.3766	14.5232	0.0001	0.0027
ENSG00000106397	PLOD3	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 [Source:HGNC Symbol;Acc:HGNC:9083]	protein coding	0.7027	5.8778	9.1872	0.0024	0.0258
ENSG00000282939	TRBV7-2	T cell receptor beta variable 7-2 [Source:HGNC Symbol;Acc:HGNC:12236]	TR V gene	-0.7026	4.9641	9.7349	0.0018	0.0208
ENSG00000163565	IFI16	interferon gamma inducible protein 16 [Source:HGNC Symbol;Acc:HGNC:5395]	protein coding	0.7014	8.6991	19.1239	<0.0001	0.0004
ENSG00000204472	AIF1	allograft inflammatory factor 1 [Source:HGNC Symbol;Acc:HGNC:352]	protein coding	0.6981	8.3776	23.0450	<0.0001	<0.0001
ENSG00000196189	SEMA4A	semaphorin 4A [Source:HGNC Symbol;Acc:HGNC:10729]	protein coding	0.6973	7.2889	24.7175	<0.0001	<0.0001
ENSG00000128604	IRF5	interferon regulatory factor 5 [Source:HGNC Symbol;Acc:HGNC:6120]	protein coding	0.6966	5.7850	13.7624	0.0002	0.0038
ENSG00000160796	NBEAL2	neurobeachin like 2 [Source:HGNC Symbol;Acc:HGNC:31928]	protein coding	0.6960	7.5482	25.9430	<0.0001	<0.0001
ENSG00000197956	S100A6	S100 calcium binding protein A6 [Source:HGNC Symbol;Acc:HGNC:10496]	protein coding	0.6958	9.7040	21.1389	<0.0001	0.0002

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000213290	PGK1P2	phosphoglycerate kinase 1, pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:8899]	processed pseudo-gene	0.6949	5.2946	16.0295	<0.0001	0.0014
ENSG00000164430	CGAS	cyclic GMP-AMP synthase [Source:HGNC Symbol;Acc:HGNC:21367]	protein coding	0.6948	4.7109	11.9726	0.0005	0.0081
ENSG00000169442	CD52	CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804]	protein coding	-0.6939	8.5944	21.1289	<0.0001	0.0002
ENSG00000172243	CLEC7A	C-type lectin domain containing 7A [Source:HGNC Symbol;Acc:HGNC:14558]	protein coding	0.6935	5.1121	12.2428	0.0005	0.0072
ENSG00000110077	MS4A6A	membrane spanning 4-domains A6A [Source:HGNC Symbol;Acc:HGNC:13375]	protein coding	0.6930	7.8680	18.0069	<0.0001	0.0006
ENSG00000125089	SH3TC1	SH3 domain and tetratricopeptide repeats 1 [Source:HGNC Symbol;Acc:HGNC:26009]	protein coding	0.6929	5.4852	19.0231	<0.0001	0.0004
ENSG00000215305	VPS16	VPS16 core subunit of CORVET and HOPS complexes [Source:HGNC Symbol;Acc:HGNC:14584]	protein coding	0.6928	5.7003	24.3823	<0.0001	<0.0001
ENSG00000177000	MTHFR	methylenetetrahydrofolate reductase [Source:HGNC Symbol;Acc:HGNC:7436]	protein coding	0.6915	5.0118	9.2960	0.0023	0.0247
ENSG00000173193	PARP14	poly(ADP-ribose) polymerase family member 14 [Source:HGNC Symbol;Acc:HGNC:29232]	protein coding	0.6914	8.6743	12.8403	0.0003	0.0056
ENSG00000042493	CAPG	capping actin protein, gelsolin like [Source:HGNC Symbol;Acc:HGNC:1474]	protein coding	0.6911	7.8772	23.4696	<0.0001	<0.0001
ENSG00000142185	TRPM2	transient receptor potential cation channel subfamily M member 2 [Source:HGNC Symbol;Acc:HGNC:12339]	protein coding	0.6903	4.8144	12.4202	0.0004	0.0067
ENSG00000198736	MSRB1	methionine sulfoxide reductase B1 [Source:HGNC Symbol;Acc:HGNC:14133]	protein coding	0.6903	5.5680	15.2144	<0.0001	0.002

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000240809		CAP, adenylate cyclase-associated protein 1 (yeast) (CAP1) pseudogene	processed pseudo-gene	0.6899	5.5315	13.0761	0.0003	0.0051
ENSG00000196116	TDRD7	tudor domain containing 7 [Source:HGNC Symbol;Acc:HGNC:30831]	protein coding	0.6898	5.4128	15.9089	<0.0001	0.0015
ENSG00000185722	ANKFY1	ankyrin repeat and FYVE domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20763]	protein coding	0.6882	6.7244	22.5629	<0.0001	<0.0001
ENSG00000230581	ACTG1P14	actin gamma 1 pseudogene 14 [Source:HGNC Symbol;Acc:HGNC:49751]	processed pseudo-gene	0.6872	6.2932	12.0686	0.0005	0.0077
ENSG00000176788	BASP1	brain abundant membrane attached signal protein 1 [Source:HGNC Symbol;Acc:HGNC:957]	protein coding	0.6862	5.1829	11.2717	0.0008	0.0109
ENSG00000115486	GGCX	gamma-glutamyl carboxylase [Source:HGNC Symbol;Acc:HGNC:4247]	protein coding	0.6860	4.7653	11.2006	0.0008	0.0112
ENSG00000211745	TRBV4-2	T cell receptor beta variable 4-2 [Source:HGNC Symbol;Acc:HGNC:12216]	TR V gene	-0.6848	4.3663	8.9376	0.0028	0.0288
ENSG00000145335	SNCA	synuclein alpha [Source:HGNC Symbol;Acc:HGNC:11138]	protein coding	0.6843	6.0261	18.8447	<0.0001	0.0004
ENSG00000211897	IGHG3	immunoglobulin heavy constant gamma 3 (G3m marker) [Source:HGNC Symbol;Acc:HGNC:5527]	IG C gene	-0.6843	6.7442	16.2285	<0.0001	0.0013
ENSG00000139318	DUSP6	dual specificity phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:3072]	protein coding	0.6839	7.4193	18.8630	<0.0001	0.0004
ENSG00000130449	ZSWIM6	zinc finger SWIM-type containing 6 [Source:HGNC Symbol;Acc:HGNC:29316]	protein coding	0.6830	5.6487	18.9636	<0.0001	0.0004
ENSG00000145247	OCIAD2	OCIA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28685]	protein coding	-0.6830	5.3649	12.1739	0.0005	0.0074

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211747	TRBV20-1	T cell receptor beta variable 20-1 [Source:HGNC Symbol;Acc:HGNC:12196]	TR V gene	-0.6823	5.6283	9.5968	0.0019	0.0218
ENSG00000196154	S100A4	S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:HGNC:10494]	protein coding	0.6810	10.0861	18.5187	<0.0001	0.0005
ENSG00000109323	MANBA	mannosidase beta [Source:HGNC Symbol;Acc:HGNC:6831]	protein coding	0.6809	6.8656	19.3799	<0.0001	0.0003
ENSG00000134333	LDHA	lactate dehydrogenase A [Source:HGNC Symbol;Acc:HGNC:6535]	protein coding	0.6802	8.0527	27.2564	<0.0001	<0.0001
ENSG00000135048	CEMIP2	cell migration inducing hyaluronidase 2 [Source:HGNC Symbol;Acc:HGNC:11869]	protein coding	0.6802	6.6081	15.9786	<0.0001	0.0015
ENSG00000152495	CAMK4	calcium/calmodulin dependent protein kinase IV [Source:HGNC Symbol;Acc:HGNC:1464]	protein coding	-0.6785	6.4308	22.6420	<0.0001	<0.0001
ENSG00000213442	RPL18AP3	ribosomal protein L18a pseudogene 3 [Source:HGNC Symbol;Acc:HGNC:31387]	processed pseudo-gene	-0.6779	5.2863	10.8626	0.001	0.0129
ENSG00000143167	GPA33	glycoprotein A33 [Source:HGNC Symbol;Acc:HGNC:4445]	protein coding	-0.6776	5.1328	15.1049	0.0001	0.0021
ENSG00000161921	CXCL16	C-X-C motif chemokine ligand 16 [Source:HGNC Symbol;Acc:HGNC:16642]	protein coding	0.6766	4.7303	11.0718	0.0009	0.0117
ENSG00000196083	IL1RAP	interleukin 1 receptor accessory protein [Source:HGNC Symbol;Acc:HGNC:5995]	protein coding	0.6765	4.7679	11.7111	0.0006	0.009
ENSG00000150961	SEC24D	SEC24 homolog D, COPII coat complex component [Source:HGNC Symbol;Acc:HGNC:10706]	protein coding	0.6762	5.7432	12.2320	0.0005	0.0072
ENSG00000140749	IGSF6	immunoglobulin superfamily member 6 [Source:HGNC Symbol;Acc:HGNC:5953]	protein coding	0.6753	6.8588	18.3574	<0.0001	0.0005
ENSG00000196576	PLXNB2	plexin B2 [Source:HGNC Symbol;Acc:HGNC:9104]	protein coding	0.6752	8.2989	17.8492	<0.0001	0.0007

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000182866	LCK	LCK proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:6524]	protein coding	-0.6749	8.0434	17.8356	<0.0001	0.0007
ENSG00000177674	AGTRAP	angiotensin II receptor associated protein [Source:HGNC Symbol;Acc:HGNC:13539]	protein coding	0.6747	6.7004	18.0165	<0.0001	0.0006
ENSG00000103994	ZNF106	zinc finger protein 106 [Source:HGNC Symbol;Acc:HGNC:12886]	protein coding	0.6744	6.9157	22.4326	<0.0001	<0.0001
ENSG00000111843	TMEM14C	transmembrane protein 14C [Source:HGNC Symbol;Acc:HGNC:20952]	protein coding	-0.6731	4.8094	9.3732	0.0022	0.0239
ENSG00000111640	GAPDH	glyceraldehyde-3-phosphate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:4141]	protein coding	0.6722	8.3600	21.0599	<0.0001	0.0002
ENSG00000153563	CD8A	CD8a molecule [Source:HGNC Symbol;Acc:HGNC:1706]	protein coding	-0.6721	8.1199	12.1005	0.0005	0.0076
ENSG00000135363	LMO2	LIM domain only 2 [Source:HGNC Symbol;Acc:HGNC:6642]	protein coding	0.6721	5.7673	19.3201	<0.0001	0.0003
ENSG00000130303	BST2	bone marrow stromal cell antigen 2 [Source:HGNC Symbol;Acc:HGNC:1119]	protein coding	0.6717	7.7221	14.5991	0.0001	0.0026
ENSG00000187210	GCNT1	glucosaminyl (N-acetyl) transferase 1 [Source:HGNC Symbol;Acc:HGNC:4203]	protein coding	0.6714	4.1950	9.2710	0.0023	0.025
ENSG00000188641	DPYD	dihydropyrimidine dehydrogenase [Source:HGNC Symbol;Acc:HGNC:3012]	protein coding	0.6713	7.9793	20.3996	<0.0001	0.0002
ENSG00000143376	SNX27	sorting nexin 27 [Source:HGNC Symbol;Acc:HGNC:20073]	protein coding	0.6711	5.8652	19.3171	<0.0001	0.0003
ENSG00000153317	ASAP1	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 [Source:HGNC Symbol;Acc:HGNC:2720]	protein coding	0.6709	5.9513	15.4976	<0.0001	0.0018
ENSG00000218175		ribosomal protein, large, P1 (RPLP1) pseudogene	processed pseudo-gene	-0.6708	5.5345	12.9734	0.0003	0.0053

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000064763	FAR2	fatty acyl-CoA reductase 2 [Source:HGNC Symbol;Acc:HGNC:25531]	protein coding	0.6691	4.3042	10.2623	0.0014	0.0165
ENSG00000135828	RNASEL	ribonuclease L [Source:HGNC Symbol;Acc:HGNC:10050]	protein coding	0.6681	4.8942	9.3341	0.0022	0.0243
ENSG00000100100	PIK3IP1	phosphoinositide-3-kinase interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:24942]	protein coding	-0.6681	8.1742	8.8018	0.003	0.0306
ENSG00000168899	VAMP5	vesicle associated membrane protein 5 [Source:HGNC Symbol;Acc:HGNC:12646]	protein coding	0.6680	5.7145	10.9691	0.0009	0.0123
ENSG00000113269	RNF130	ring finger protein 130 [Source:HGNC Symbol;Acc:HGNC:18280]	protein coding	0.6673	7.0190	22.0657	<0.0001	<0.0001
ENSG00000101160	CTSZ	cathepsin Z [Source:HGNC Symbol;Acc:HGNC:2547]	protein coding	0.6651	8.7591	15.9210	<0.0001	0.0015
ENSG00000123636	BAZ2B	bromodomain adjacent to zinc finger domain 2B [Source:HGNC Symbol;Acc:HGNC:963]	protein coding	0.6643	4.8934	9.1850	0.0024	0.0258
ENSG00000187164	SHTN1	shootin 1 [Source:HGNC Symbol;Acc:HGNC:29319]	protein coding	0.6636	5.1553	12.0158	0.0005	0.0079
ENSG00000132274	TRIM22	tripartite motif containing 22 [Source:HGNC Symbol;Acc:HGNC:16379]	protein coding	0.6631	8.6368	13.7683	0.0002	0.0038
ENSG00000197081	IGF2R	insulin like growth factor 2 receptor [Source:HGNC Symbol;Acc:HGNC:5467]	protein coding	0.6629	9.2217	18.9888	<0.0001	0.0004
ENSG00000139083	ETV6	ETS variant transcription factor 6 [Source:HGNC Symbol;Acc:HGNC:3495]	protein coding	0.6617	4.8680	11.7050	0.0006	0.0091
ENSG00000241839	PLEKHO2	pleckstrin homology domain containing O2 [Source:HGNC Symbol;Acc:HGNC:30026]	protein coding	0.6611	6.0797	19.9766	<0.0001	0.0003
ENSG00000117643	MAN1C1	mannosidase alpha class 1C member 1 [Source:HGNC Symbol;Acc:HGNC:19080]	protein coding	-0.6611	5.4098	8.4647	0.0036	0.0352
ENSG00000062598	ELMO2	engulfment and cell motility 2 [Source:HGNC Symbol;Acc:HGNC:17233]	protein coding	0.6611	6.1847	24.5895	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000211751	TRBC1	T cell receptor beta constant 1 [Source:HGNC Symbol;Acc:HGNC:12156]	TR C gene	-0.6611	7.5437	15.5796	<0.0001	0.0017
ENSG00000138678	GPAT3	glycerol-3-phosphate acyl-transferase 3 [Source:HGNC Symbol;Acc:HGNC:28157]	protein coding	0.6607	5.4147	13.1800	0.0003	0.0049
ENSG00000219451	RPL23P8	ribosomal protein L23 pseudo-gene 8 [Source:HGNC Symbol;Acc:HGNC:36225]	processed pseudo-gene	-0.6606	5.2390	8.8096	0.003	0.0305
ENSG0000026025	VIM	vimentin [Source:HGNC Symbol;Acc:HGNC:12692]	protein coding	0.6598	9.1783	20.3588	<0.0001	0.0002
ENSG00000178695	KCTD12	potassium channel tetramerization domain containing 12 [Source:HGNC Symbol;Acc:HGNC:14678]	protein coding	0.6591	7.1698	25.8862	<0.0001	<0.0001
ENSG00000141232	TOB1	transducer of ERBB2, 1 [Source:HGNC Symbol;Acc:HGNC:11979]	protein coding	-0.6588	6.4635	12.6021	0.0004	0.0061
ENSG00000213699	SLC35F6	solute carrier family 35 member F6 [Source:HGNC Symbol;Acc:HGNC:26055]	protein coding	0.6583	5.7629	13.9644	0.0002	0.0035
ENSG00000140332	TLE3	TLE family member 3, transcriptional corepressor [Source:HGNC Symbol;Acc:HGNC:11839]	protein coding	0.6580	6.5060	26.7324	<0.0001	<0.0001
ENSG00000167851	CD300A	CD300a molecule [Source:HGNC Symbol;Acc:HGNC:19319]	protein coding	0.6573	7.1385	15.6269	<0.0001	0.0017
ENSG00000115339	GALNT3	polypeptide N-acetylgalactosaminyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:4125]	protein coding	0.6568	3.9171	8.7698	0.0031	0.0309
ENSG00000143554	SLC27A3	solute carrier family 27 member 3 [Source:HGNC Symbol;Acc:HGNC:10997]	protein coding	0.6565	6.2394	11.2914	0.0008	0.0108
ENSG00000228974		S100 calcium binding protein A11 (S100A11) pseudogene	processed pseudo-gene	0.6561	5.3585	16.2466	<0.0001	0.0013

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000174125	TLR1	toll like receptor 1 [Source:HGNC Symbol;Acc:HGNC:11847]	protein coding	0.6560	5.7394	12.1402	0.0005	0.0075
ENSG00000172673	THEMIS	thymocyte selection associated [Source:HGNC Symbol;Acc:HGNC:21569]	protein coding	-0.6556	6.4009	21.9486	<0.0001	0.0001
ENSG00000156273	BACH1	BTB domain and CNC homolog 1 [Source:HGNC Symbol;Acc:HGNC:935]	protein coding	0.6555	6.6984	18.7505	<0.0001	0.0004
ENSG00000137767	SQOR	sulfide quinone oxidoreductase [Source:HGNC Symbol;Acc:HGNC:20390]	protein coding	0.6547	6.0495	12.5690	0.0004	0.0062
ENSG00000103811	CTSH	cathepsin H [Source:HGNC Symbol;Acc:HGNC:2535]	protein coding	0.6537	7.3317	17.8439	<0.0001	0.0007
ENSG00000162909	CAPN2	calpain 2 [Source:HGNC Symbol;Acc:HGNC:1479]	protein coding	0.6527	7.9212	18.7204	<0.0001	0.0004
ENSG00000126858	RHOT1	ras homolog family member T1 [Source:HGNC Symbol;Acc:HGNC:21168]	protein coding	0.6519	4.9885	10.9334	0.0009	0.0125
ENSG00000221869	CEBPD	CCAAT enhancer binding protein delta [Source:HGNC Symbol;Acc:HGNC:1835]	protein coding	0.6515	6.7004	24.7326	<0.0001	<0.0001
ENSG00000163931	TKT	transketolase [Source:HGNC Symbol;Acc:HGNC:11834]	protein coding	0.6506	9.1116	21.5896	<0.0001	0.0001
ENSG00000168461	RAB31	RAB31, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9771]	protein coding	0.6492	5.5785	14.7601	0.0001	0.0024
ENSG00000027869	SH2D2A	SH2 domain containing 2A [Source:HGNC Symbol;Acc:HGNC:10821]	protein coding	-0.6472	4.4471	9.5948	0.002	0.0218
ENSG00000090013	BLVRB	biliverdin reductase B [Source:HGNC Symbol;Acc:HGNC:1063]	protein coding	0.6459	6.6917	28.2359	<0.0001	<0.0001
ENSG00000104903	LYL1	LYL1 basic helix-loop-helix family member [Source:HGNC Symbol;Acc:HGNC:6734]	protein coding	0.6456	4.9748	12.5303	0.0004	0.0064
ENSG00000140678	ITGAX	integrin subunit alpha X [Source:HGNC Symbol;Acc:HGNC:6152]	protein coding	0.6453	8.2684	15.1394	<0.0001	0.0021

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000135426	TESPA1	thymocyte expressed, positive selection associated 1 [Source:HGNC Symbol;Acc:HGNC:29109]	protein coding	-0.6444	5.8643	19.4828	<0.0001	0.0003
ENSG00000166340	TPP1	tripeptidyl peptidase 1 [Source:HGNC Symbol;Acc:HGNC:2073]	protein coding	0.6428	8.5220	17.7579	<0.0001	0.0007
ENSG00000271503	CCL5	C-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:10632]	protein coding	-0.6409	7.9268	17.9177	<0.0001	0.0006
ENSG00000254087	LYN	LYN proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:6735]	protein coding	0.6402	8.4744	20.1853	<0.0001	0.0002
ENSG00000138758	SEPTIN11	septin 11 [Source:HGNC Symbol;Acc:HGNC:25589]	protein coding	-0.6401	5.2339	14.9326	0.0001	0.0023
ENSG00000000938	FGR	FGR proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3697]	protein coding	0.6399	8.0308	23.0002	<0.0001	<0.0001
ENSG00000154845	PPP4R1	protein phosphatase 4 regulatory subunit 1 [Source:HGNC Symbol;Acc:HGNC:9320]	protein coding	0.6398	4.9445	14.1480	0.0002	0.0032
ENSG00000120694	HSPH1	heat shock protein family H (Hsp110) member 1 [Source:HGNC Symbol;Acc:HGNC:16969]	protein coding	0.6397	6.7468	15.8252	<0.0001	0.0016
ENSG00000170345	FOS	Fos proto-oncogene, transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3796]	protein coding	0.6385	5.2810	11.7790	0.0006	0.0088
ENSG00000114450	GNB4	G protein subunit beta 4 [Source:HGNC Symbol;Acc:HGNC:20731]	protein coding	0.6380	6.2986	19.0957	<0.0001	0.0004
ENSG00000004399	PLXND1	plexin D1 [Source:HGNC Symbol;Acc:HGNC:9107]	protein coding	0.6373	5.9144	13.1318	0.0003	0.005
ENSG00000198355	PIM3	Pim-3 proto-oncogene, serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:19310]	protein coding	0.6369	5.7510	17.6159	<0.0001	0.0007

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000226608	FTLP3	ferritin light chain pseudo-gene 3 [Source:HGNC Symbol;Acc:HGNC:4000]	processed pseudo-gene	0.6366	4.4315	9.3545	0.0022	0.0241
ENSG00000065154	OAT	ornithine aminotransferase [Source:HGNC Symbol;Acc:HGNC:8091]	protein coding	0.6357	5.6840	13.5714	0.0002	0.0041
ENSG00000136205	TNS3	tensin 3 [Source:HGNC Symbol;Acc:HGNC:21616]	protein coding	0.6355	5.7781	15.1549	<0.0001	0.0021
ENSG00000198604	BAZ1A	bromodomain adjacent to zinc finger domain 1A [Source:HGNC Symbol;Acc:HGNC:960]	protein coding	0.6354	6.7373	23.1704	<0.0001	<0.0001
ENSG00000170873	MTSS1	MTSS I-BAR domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20443]	protein coding	0.6353	6.7320	20.7228	<0.0001	0.0002
ENSG00000090674	MCOLN1	mucolipin 1 [Source:HGNC Symbol;Acc:HGNC:13356]	protein coding	0.6335	4.8793	9.6849	0.0019	0.0211
ENSG00000163131	CTSS	cathepsin S [Source:HGNC Symbol;Acc:HGNC:2545]	protein coding	0.6332	11.7008	9.0549	0.0026	0.0274
ENSG00000122694	GLIPR2	GLI pathogenesis related 2 [Source:HGNC Symbol;Acc:HGNC:18007]	protein coding	0.6331	7.1884	25.6565	<0.0001	<0.0001
ENSG00000253755	IGHGP	immunoglobulin heavy constant gamma P (non-functional) [Source:HGNC Symbol;Acc:HGNC:5529]	IG C pseudogene	-0.6327	6.3550	18.3332	<0.0001	0.0005
ENSG00000180211		pseudogene similar to part of ribosomal protein L23 RPL23	processed pseudo-gene	-0.6322	5.1468	11.8648	0.0006	0.0084
ENSG00000133246	PRAM1	PML-RARA regulated adaptor molecule 1 [Source:HGNC Symbol;Acc:HGNC:30091]	protein coding	0.6316	6.7298	23.0585	<0.0001	<0.0001
ENSG00000133321	PLAAT4	phospholipase A and acyltransferase 4 [Source:HGNC Symbol;Acc:HGNC:9869]	protein coding	-0.6312	7.6270	14.2023	0.0002	0.0031
ENSG00000198113	TOR4A	torsin family 4 member A [Source:HGNC Symbol;Acc:HGNC:25981]	protein coding	0.6310	5.0502	8.2366	0.0041	0.039

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000181804	SLC9A9	solute carrier family 9 member A9 [Source:HGNC Symbol;Acc:HGNC:20653]	protein coding	0.6308	5.0216	11.9502	0.0005	0.0081
ENSG00000114745	GORASP1	golgi reassembly stacking protein 1 [Source:HGNC Symbol;Acc:HGNC:16769]	protein coding	0.6299	4.2011	8.3807	0.0038	0.0366
ENSG00000092964	DPYSL2	dihydropyrimidinase like 2 [Source:HGNC Symbol;Acc:HGNC:3014]	protein coding	0.6297	7.9691	23.6390	<0.0001	<0.0001
ENSG00000135506	OS9	OS9 endoplasmic reticulum lectin [Source:HGNC Symbol;Acc:HGNC:16994]	protein coding	0.6292	8.6128	12.2527	0.0005	0.0072
ENSG00000126458	RRAS	RAS related [Source:HGNC Symbol;Acc:HGNC:10447]	protein coding	0.6292	4.5336	9.6199	0.0019	0.0216
ENSG00000213626	LBH	LBH regulator of WNT signaling pathway [Source:HGNC Symbol;Acc:HGNC:29532]	protein coding	-0.6288	7.8812	19.7046	<0.0001	0.0003
ENSG00000117500	TMED5	transmembrane p24 trafficking protein 5 [Source:HGNC Symbol;Acc:HGNC:24251]	protein coding	0.6281	5.6718	11.2620	0.0008	0.0109
ENSG00000145416	MARCHF1	membrane associated ring-CH-type finger 1 [Source:HGNC Symbol;Acc:HGNC:26077]	protein coding	0.6279	6.4336	14.4199	0.0001	0.0028
ENSG00000203747	FCGR3A	Fc fragment of IgG receptor IIIa [Source:HGNC Symbol;Acc:HGNC:3619]	protein coding	0.6270	8.0353	14.9927	0.0001	0.0022
ENSG00000104805	NUCB1	nucleobindin 1 [Source:HGNC Symbol;Acc:HGNC:8043]	protein coding	0.6263	8.1745	14.0583	0.0002	0.0033
ENSG00000104763	ASAHI	N-acylsphingosine amidohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:735]	protein coding	0.6261	8.5698	16.6013	<0.0001	0.0011
ENSG00000172794	RAB37	RAB37, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:30268]	protein coding	-0.6260	5.1411	10.6257	0.0011	0.0142
ENSG00000130309	COLGALT1	collagen beta(1-O)galactosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:26182]	protein coding	0.6247	6.8611	24.1617	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000141367	CLTC	clathrin heavy chain [Source:HGNC Symbol;Acc:HGNC:2092]	protein coding	0.6247	9.2995	15.6607	<0.0001	0.0017
ENSG00000169554	ZEB2	zinc finger E-box binding homeobox 2 [Source:HGNC Symbol;Acc:HGNC:14881]	protein coding	0.6244	7.2038	15.6009	<0.0001	0.0017
ENSG00000156482	RPL30	ribosomal protein L30 [Source:HGNC Symbol;Acc:HGNC:10333]	protein coding	-0.6239	6.0806	11.8814	0.0006	0.0084
ENSG00000185504	FAAP100	FA core complex associated protein 100 [Source:HGNC Symbol;Acc:HGNC:26171]	protein coding	-0.6234	4.2022	7.7302	0.0054	0.0487
ENSG00000118503	TNFAIP3	TNF alpha induced protein 3 [Source:HGNC Symbol;Acc:HGNC:11896]	protein coding	-0.6233	5.2741	15.8654	<0.0001	0.0015
ENSG00000137752	CASP1	caspase 1 [Source:HGNC Symbol;Acc:HGNC:1499]	protein coding	0.6218	7.1596	16.5260	<0.0001	0.0012
ENSG00000044574	HSPA5	heat shock protein family A (Hsp70) member 5 [Source:HGNC Symbol;Acc:HGNC:5238]	protein coding	0.6217	9.3197	13.4057	0.0003	0.0044
ENSG00000160410	SHKBP1	SH3KBP1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:19214]	protein coding	0.6215	7.2824	19.9506	<0.0001	0.0003
ENSG00000165071	TMEM71	transmembrane protein 71 [Source:HGNC Symbol;Acc:HGNC:26572]	protein coding	0.6214	5.0756	11.4750	0.0007	0.0099
ENSG00000211772	TRBC2	T cell receptor beta constant 2 [Source:HGNC Symbol;Acc:HGNC:12157]	TR C gene	-0.6211	8.1480	13.3318	0.0003	0.0046
ENSG00000198821	CD247	CD247 molecule [Source:HGNC Symbol;Acc:HGNC:1677]	protein coding	-0.6207	8.4196	15.0809	0.0001	0.0021
ENSG00000172936	MYD88	MYD88 innate immune signal transduction adaptor [Source:HGNC Symbol;Acc:HGNC:7562]	protein coding	0.6194	7.5369	23.6434	<0.0001	<0.0001

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000100596	SPTLC2	serine palmitoyltransferase long chain base subunit 2 [Source:HGNC Symbol;Acc:HGNC:11278]	protein coding	0.6193	7.6146	21.2570	<0.0001	0.0001
ENSG00000139178	C1RL	complement C1r subcomponent like [Source:HGNC Symbol;Acc:HGNC:21265]	protein coding	0.6188	4.5391	10.8513	0.001	0.0129
ENSG00000133961	NUMB	NUMB endocytic adaptor protein [Source:HGNC Symbol;Acc:HGNC:8060]	protein coding	0.6186	6.6335	23.0313	<0.0001	<0.0001
ENSG00000127152	BCL11B	BAF chromatin remodeling complex subunit BCL11B [Source:HGNC Symbol;Acc:HGNC:13222]	protein coding	-0.6182	7.4932	20.9820	<0.0001	0.0002
ENSG00000122188	LAX1	lymphocyte transmembrane adaptor 1 [Source:HGNC Symbol;Acc:HGNC:26005]	protein coding	-0.6179	4.7970	11.6558	0.0006	0.0092
ENSG00000167984	NLRC3	NLR family CARD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29889]	protein coding	-0.6176	5.1133	11.8638	0.0006	0.0084
ENSG00000159720	ATP6V0D1	ATPase H ⁺ transporting V0 subunit d1 [Source:HGNC Symbol;Acc:HGNC:13724]	protein coding	0.6154	7.9202	20.6481	<0.0001	0.0002
ENSG00000144591	GMPPA	GDP-mannose pyrophosphorylase A [Source:HGNC Symbol;Acc:HGNC:22923]	protein coding	0.6151	4.7477	12.3230	0.0004	0.007
ENSG00000127838	PNKD	PNKD metallo-beta-lactamase domain containing [Source:HGNC Symbol;Acc:HGNC:9153]	protein coding	0.6147	5.5431	10.0765	0.0015	0.018
ENSG00000168214	RBPJ	recombination signal binding protein for immunoglobulin kappa J region [Source:HGNC Symbol;Acc:HGNC:5724]	protein coding	0.6127	5.9955	19.0778	<0.0001	0.0004
ENSG00000123338	NCKAP1L	NCK associated protein 1 like [Source:HGNC Symbol;Acc:HGNC:4862]	protein coding	0.6119	8.7941	18.1306	<0.0001	0.0006

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000168421	RHOH	ras homolog family member H [Source:HGNC Symbol;Acc:HGNC:686]	protein coding	-0.6111	6.6117	15.3442	<0.0001	0.0019
ENSG00000103507	BCKDK	branched chain keto acid dehydrogenase kinase [Source:HGNC Symbol;Acc:HGNC:16902]	protein coding	0.6111	5.1621	14.3884	0.0001	0.0029
ENSG00000157933	SKI	SKI proto-oncogene [Source:HGNC Symbol;Acc:HGNC:10896]	protein coding	-0.6109	5.5503	11.8645	0.0006	0.0084
ENSG00000107372	ZFAND5	zinc finger AN1-type containing 5 [Source:HGNC Symbol;Acc:HGNC:13008]	protein coding	0.6105	6.0385	13.3734	0.0003	0.0045
ENSG00000116106	EPHA4	EPH receptor A4 [Source:HGNC Symbol;Acc:HGNC:3388]	protein coding	-0.6104	5.3737	9.4945	0.0021	0.0226
ENSG00000157978	LDLRAP1	low density lipoprotein receptor adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:18640]	protein coding	-0.6075	6.2392	13.4463	0.0002	0.0044
ENSG00000100697	DICER1	dicer 1, ribonuclease III [Source:HGNC Symbol;Acc:HGNC:17098]	protein coding	0.6064	6.6017	18.2948	<0.0001	0.0005
ENSG00000186395	KRT10	keratin 10 [Source:HGNC Symbol;Acc:HGNC:6413]	protein coding	-0.6058	4.6626	7.8785	0.005	0.0457
ENSG00000170915	PAQR8	progesterone and adipoQ receptor family member 8 [Source:HGNC Symbol;Acc:HGNC:15708]	protein coding	-0.6049	5.6526	11.4653	0.0007	0.01
ENSG00000086300	SNX10	sorting nexin 10 [Source:HGNC Symbol;Acc:HGNC:14974]	protein coding	0.6039	5.2142	8.5225	0.0035	0.0344
ENSG00000149177	PTPRJ	protein tyrosine phosphatase receptor type J [Source:HGNC Symbol;Acc:HGNC:9673]	protein coding	0.6035	8.3111	17.6993	<0.0001	0.0007
ENSG00000132109	TRIM21	tripartite motif containing 21 [Source:HGNC Symbol;Acc:HGNC:11312]	protein coding	0.6031	6.4657	17.1852	<0.0001	0.0009
ENSG00000103051	COG4	component of oligomeric golgi complex 4 [Source:HGNC Symbol;Acc:HGNC:18620]	protein coding	0.6019	5.2465	9.1015	0.0026	0.0269
ENSG00000215895	HSPA5P1	HSPA5 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:54532]	processed pseudogene	0.6006	5.8367	11.5020	0.0007	0.0098

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000159128	IFNGR2	interferon gamma receptor 2 [Source:HGNC Symbol;Acc:HGNC:5440]	protein coding	0.6001	6.0588	13.1188	0.0003	0.005
ENSG00000186854	TRABD2A	TraB domain containing 2A [Source:HGNC Symbol;Acc:HGNC:27013]	protein coding	-0.5995	5.8091	11.6693	0.0006	0.0092
ENSG00000163519	TRAT1	T cell receptor associated transmembrane adaptor 1 [Source:HGNC Symbol;Acc:HGNC:30698]	protein coding	-0.5992	6.5213	19.7398	<0.0001	0.0003
ENSG00000196209	SIRPB2	signal regulatory protein beta 2 [Source:HGNC Symbol;Acc:HGNC:16247]	protein coding	0.5991	4.4142	9.1274	0.0025	0.0265
ENSG00000177697	CD151	CD151 molecule (Raph blood group) [Source:HGNC Symbol;Acc:HGNC:1630]	protein coding	0.5986	6.3658	12.7905	0.0003	0.0057
ENSG00000232888	RPS11P5	ribosomal protein S11 pseudo-gene 5 [Source:HGNC Symbol;Acc:HGNC:36312]	processed pseudo-gene	-0.5985	5.9013	10.9026	0.001	0.0127
ENSG00000125772	GPCPD1	glycerophosphocholine phosphodiesterase 1 [Source:HGNC Symbol;Acc:HGNC:26957]	protein coding	0.5984	5.7359	11.0426	0.0009	0.0119
ENSG00000107485	GATA3	GATA binding protein 3 [Source:HGNC Symbol;Acc:HGNC:4172]	protein coding	-0.5979	5.3196	13.6788	0.0002	0.0039
ENSG00000140464	PML	promyelocytic leukemia [Source:HGNC Symbol;Acc:HGNC:9113]	protein coding	0.5979	6.6132	16.7160	<0.0001	0.0011
ENSG00000135049	AGTPBP1	ATP/GTP binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17258]	protein coding	0.5977	5.5398	9.8003	0.0017	0.0203
ENSG00000163564	PYHIN1	pyrin and HIN domain family member 1 [Source:HGNC Symbol;Acc:HGNC:28894]	protein coding	-0.5973	5.7456	11.1389	0.0008	0.0114
ENSG00000174807	CD248	CD248 molecule [Source:HGNC Symbol;Acc:HGNC:18219]	protein coding	-0.5972	5.5324	8.0107	0.0047	0.0429
ENSG00000078618	NRDC	nardilysin convertase [Source:HGNC Symbol;Acc:HGNC:7995]	protein coding	0.5962	7.0309	17.8755	<0.0001	0.0006

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000138246	DNAJC13	DnaJ heat shock protein family (Hsp40) member C13 [Source:HGNC Symbol;Acc:HGNC:30343]	protein coding	0.5961	6.6044	10.0273	0.0015	0.0184
ENSG00000123159	GIPC1	GIPC PDZ domain containing family member 1 [Source:HGNC Symbol;Acc:HGNC:1226]	protein coding	-0.5961	4.6082	9.0656	0.0026	0.0273
ENSG00000137575	SDCBP	syndecan binding protein [Source:HGNC Symbol;Acc:HGNC:10662]	protein coding	0.5960	7.4284	17.8247	<0.0001	0.0007
ENSG00000105514	RAB3D	RAB3D, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9779]	protein coding	0.5948	6.1123	22.6204	<0.0001	<0.0001
ENSG00000171223	JUNB	JunB proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:6205]	protein coding	0.5946	6.9973	20.1719	<0.0001	0.0002
ENSG00000138756	BMP2K	BMP2 inducible kinase [Source:HGNC Symbol;Acc:HGNC:18041]	protein coding	0.5943	5.3852	11.0675	0.0009	0.0118
ENSG00000137076	TLN1	talin 1 [Source:HGNC Symbol;Acc:HGNC:11845]	protein coding	0.5941	10.6515	11.6836	0.0006	0.0091
ENSG00000090382	LYZ	lysozyme [Source:HGNC Symbol;Acc:HGNC:6740]	protein coding	0.5939	12.4876	7.6753	0.0056	0.0497
ENSG00000204568	MRPS18B	mitochondrial ribosomal protein S18B [Source:HGNC Symbol;Acc:HGNC:14516]	protein coding	-0.5933	5.3921	13.7113	0.0002	0.0039
ENSG00000105185	PDCD5	programmed cell death 5 [Source:HGNC Symbol;Acc:HGNC:8764]	protein coding	-0.5932	4.4470	10.6733	0.0011	0.014
ENSG00000197601	FAR1	fatty acyl-CoA reductase 1 [Source:HGNC Symbol;Acc:HGNC:26222]	protein coding	0.5928	6.5211	12.8966	0.0003	0.0055
ENSG00000124357	NAGK	N-acetylglucosamine kinase [Source:HGNC Symbol;Acc:HGNC:17174]	protein coding	0.5919	7.5451	17.3845	<0.0001	0.0008
ENSG00000107679	PLEKHA1	pleckstrin homology domain containing A1 [Source:HGNC Symbol;Acc:HGNC:14335]	protein coding	-0.5919	4.4996	8.8505	0.0029	0.03

Supplementary Table 12: Differentially translated genes at Day 2 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000205268	PDE7A	phosphodiesterase [Source:HGNC bol;Acc:HGNC:8791]	7A protein Sym- coding	-0.5914	5.5627	11.8716	0.0006	0.0084
ENSG00000131979	GCH1	GTP cyclohydrolase [Source:HGNC bol;Acc:HGNC:4193]	1 protein Sym- coding	0.5912	6.0267	16.6983	<0.0001	0.0011
ENSG00000027697	IFNGR1	interferon gamma recep- tor 1 [Source:HGNC bol;Acc:HGNC:5439]	protein Sym- coding	0.5908	8.7007	13.4141	0.0002	0.0044
ENSG00000152229	PSTPIP2	proline-serine-threonine phatase interacting protein 2 [Source:HGNC bol;Acc:HGNC:9581]	phos- protein Sym- coding	0.5903	4.5392	7.6730	0.0056	0.0497
ENSG00000163050	COQ8A	coenzyme Q8A [Source:HGNC Symbol;Acc:HGNC:16812]	protein coding	-0.5887	6.1594	20.3996	<0.0001	0.0002
ENSG00000151135	TMEM263	transmembrane 263 [Source:HGNC bol;Acc:HGNC:28281]	protein Sym- coding	-0.5884	5.1397	9.0386	0.0026	0.0275
ENSG00000133935	ERG28	ergosterol biosynthesis homolog [Source:HGNC bol;Acc:HGNC:1187]	28 protein Sym- coding	-0.5883	4.7135	10.0589	0.0015	0.0181
ENSG00000198830	HMG2	high mobility group nucleosomal binding domain 2 [Source:HGNC Symbol;Acc:HGNC:4986]	protein coding	-0.5876	5.7922	15.5822	<0.0001	0.0017
ENSG00000145703	IQGAP2	IQ motif containing GTPase ac- tivating protein 2 [Source:HGNC Symbol;Acc:HGNC:6111]	protein coding	0.5870	7.7928	16.0572	<0.0001	0.0014
ENSG00000147813	NAPRT	nicotinate phosphoribosyl- transferase [Source:HGNC Symbol;Acc:HGNC:30450]	protein coding	0.5858	5.4937	15.5328	<0.0001	0.0017

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000110079	MS4A4A	membrane spanning 4-domains A4A [Source:HGNC bol;Acc:HGNC:13371]	protein Sym- coding	3.2605	4.5462	39.2665	<0.0001	<0.0001

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000148926	ADM	adrenomedullin [Source:HGNC Symbol;Acc:HGNC:259]	protein coding	3.1918	3.0046	27.9886	<0.0001	<0.0001
ENSG00000159189	C1QC	complement C1q C chain [Source:HGNC Symbol;Acc:HGNC:1245]	protein coding	2.7261	3.6127	31.2004	<0.0001	<0.0001
ENSG00000157551	KCNJ15	potassium inwardly rectifying channel subfamily J member 15 [Source:HGNC Symbol;Acc:HGNC:6261]	protein coding	2.6328	3.6823	42.0019	<0.0001	<0.0001
ENSG00000276758		leukocyte immunoglobulin-like receptor, subfamily A member pseudogene	unprocessed pseudo-gene	2.5587	3.4593	16.5146	<0.0001	0.0021
ENSG00000088827	SIGLEC1	sialic acid binding Ig like lectin 1 [Source:HGNC Symbol;Acc:HGNC:11127]	protein coding	2.3777	7.5249	18.3300	<0.0001	0.001
ENSG00000152766	ANKRD22	ankyrin repeat domain 22 [Source:HGNC Symbol;Acc:HGNC:28321]	protein coding	2.3423	3.5192	13.2984	0.0003	0.0077
ENSG00000262953	EIF4A1P9	eukaryotic translation initiation factor 4A1 pseudo-gene 9 [Source:HGNC Symbol;Acc:HGNC:37928]	processed pseudo-gene	2.3125	2.4625	10.9990	0.0009	0.0203
ENSG00000154102	C16orf74	chromosome 16 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:23362]	protein coding	-2.2839	2.2608	13.1973	0.0003	0.0081
ENSG00000235821	IFITM4P	interferon induced transmembrane protein 4 pseudo-gene [Source:HGNC Symbol;Acc:HGNC:21669]	processed pseudo-gene	2.2837	2.6972	21.5610	<0.0001	0.0002
ENSG00000116991	SIPA1L2	signal induced proliferation associated 1 like 2 [Source:HGNC Symbol;Acc:HGNC:23800]	protein coding	2.2619	2.7559	10.7203	0.0011	0.0225
ENSG00000173369	C1QB	complement C1q B chain [Source:HGNC Symbol;Acc:HGNC:1242]	protein coding	2.2313	4.7220	21.2078	<0.0001	0.0003
ENSG00000165949	IFI27	interferon alpha inducible protein 27 [Source:HGNC Symbol;Acc:HGNC:5397]	protein coding	2.2221	4.3154	12.5579	0.0004	0.0106

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000266402	SNHG25	small nucleolar RNA host gene 25 [Source:HGNC Symbol;Acc:HGNC:51534]	lncRNA	-2.1996	1.8654	14.7491	0.0001	0.0043
ENSG00000256576	LINC02361	long intergenic non-protein coding RNA 2361 [Source:HGNC Symbol;Acc:HGNC:53283]	lncRNA	-2.1121	1.9624	8.8832	0.0029	0.0481
ENSG00000103569	AQP9	aquaporin 9 [Source:HGNC Symbol;Acc:HGNC:643]	protein coding	2.0669	5.8565	68.0833	<0.0001	<0.0001
ENSG00000149131	SERPING1	serpin family G member 1 [Source:HGNC Symbol;Acc:HGNC:1228]	protein coding	2.0466	6.3564	14.5206	0.0001	0.0047
ENSG00000066855	MTFR1	mitochondrial fission regulator 1 [Source:HGNC Symbol;Acc:HGNC:29510]	protein coding	-2.0136	2.0957	11.2047	0.0008	0.0186
ENSG00000130202	NECTIN2	nectin cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:9707]	protein coding	2.0101	3.0731	11.3352	0.0008	0.0176
ENSG00000184557	SOCS3	suppressor of cytokine signaling 3 [Source:HGNC Symbol;Acc:HGNC:19391]	protein coding	2.0070	3.9100	17.3301	<0.0001	0.0015
ENSG00000153208	MERTK	MER proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:7027]	protein coding	1.9896	3.6088	12.5380	0.0004	0.0107
ENSG00000163521	GLB1L	galactosidase beta 1 like [Source:HGNC Symbol;Acc:HGNC:28129]	protein coding	1.8828	2.5543	10.8777	0.001	0.0213
ENSG00000254088	SLC2A3P4	solute carrier family 2 member 3 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:31076]	processed pseudo-gene	1.8676	3.3026	15.2266	<0.0001	0.0035
ENSG00000227081		ribosomal protein S27 (RPS27) pseudogene	processed pseudo-gene	-1.8496	2.9732	15.9400	<0.0001	0.0026
ENSG00000164659	KIAA1324L	KIAA1324 like [Source:HGNC Symbol;Acc:HGNC:21945]	protein coding	-1.8259	2.1198	13.7217	0.0002	0.0065
ENSG00000183087	GAS6	growth arrest specific 6 [Source:HGNC Symbol;Acc:HGNC:4168]	protein coding	1.8245	3.4924	22.2770	<0.0001	0.0002

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000170858	LILRP2	leukocyte immunoglobulin-like receptor pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:15497]	transcribed processed pseudo-gene	1.8235	3.1115	15.0218	0.0001	0.0038
ENSG00000178814	OPLAH	5-oxoprolinase, ATP-hydrolysing [Source:HGNC Symbol;Acc:HGNC:8149]	protein coding	1.8179	2.4302	10.3583	0.0013	0.0262
ENSG00000242159	ABCF2P1	ATP binding cassette sub-family F member 2 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:48841]	processed pseudo-gene	1.8131	2.0040	10.1659	0.0014	0.0283
ENSG00000010327	STAB1	stabilin 1 [Source:HGNC Symbol;Acc:HGNC:18628]	protein coding	1.7905	8.3291	84.1081	<0.0001	<0.0001
ENSG00000212588	SNORA26	small nucleolar RNA, H/ACA box 26 [Source:HGNC Symbol;Acc:HGNC:32616]	snoRNA	-1.7723	4.7284	12.0865	0.0005	0.0127
ENSG00000137807	KIF23	kinesin family member 23 [Source:HGNC Symbol;Acc:HGNC:6392]	protein coding	1.7667	2.4460	9.0835	0.0026	0.0443
ENSG00000179978	NAIPP2	NAIP pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:16042]	unprocessed pseudo-gene	1.7417	2.8335	16.1340	<0.0001	0.0024
ENSG00000134326	CMPK2	cytidine/uridine monophosphate kinase 2 [Source:HGNC Symbol;Acc:HGNC:27015]	protein coding	1.7366	5.7675	10.8112	0.001	0.0217
ENSG00000228360		ribosomal protein L37a (RPL37A) pseudogene	processed pseudo-gene	-1.7336	2.2581	12.0912	0.0005	0.0127
ENSG00000171049	FPR2	formyl peptide receptor 2 [Source:HGNC Symbol;Acc:HGNC:3827]	protein coding	1.7267	6.9527	51.4603	<0.0001	<0.0001
ENSG00000138061	CYP1B1	cytochrome P450 family 1 subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:2597]	protein coding	1.7088	5.4063	43.6765	<0.0001	<0.0001
ENSG00000167995	BEST1	bestrophin 1 [Source:HGNC Symbol;Acc:HGNC:12703]	protein coding	1.7022	2.6632	11.6599	0.0006	0.0153

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000163221	S100A12	S100 calcium binding protein A12 [Source:HGNC Symbol;Acc:HGNC:10489]	protein coding	1.6996	7.3470	145.4877	<0.0001	<0.0001
ENSG00000173262	SLC2A14	solute carrier family 2 member 14 [Source:HGNC Symbol;Acc:HGNC:18301]	protein coding	1.6928	3.4223	11.8433	0.0006	0.014
ENSG00000178726	THBD	thrombomodulin [Source:HGNC Symbol;Acc:HGNC:11784]	protein coding	1.6928	3.0236	18.3568	<0.0001	0.001
ENSG00000257621	PSMA3-AS1	PSMA3 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:26445]	lncRNA	-1.6838	3.5043	10.8144	0.001	0.0217
ENSG00000161944	ASGR2	asialoglycoprotein receptor 2 [Source:HGNC Symbol;Acc:HGNC:743]	protein coding	1.6828	5.5195	26.3740	<0.0001	<0.0001
ENSG00000169385	RNASE2	ribonuclease A family member 2 [Source:HGNC Symbol;Acc:HGNC:10045]	protein coding	1.6790	4.7513	30.0288	<0.0001	<0.0001
ENSG00000035115	SH3YL1	SH3 and SYLF domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29546]	protein coding	-1.6326	3.1519	12.0176	0.0005	0.0132
ENSG00000033327	GAB2	GRB2 associated binding protein 2 [Source:HGNC Symbol;Acc:HGNC:14458]	protein coding	1.6212	4.2013	14.0478	0.0002	0.0057
ENSG00000119457	SLC46A2	solute carrier family 46 member 2 [Source:HGNC Symbol;Acc:HGNC:16055]	protein coding	1.6193	4.4442	20.9864	<0.0001	0.0003
ENSG00000134321	RSAD2	radical S-adenosyl methionine domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30908]	protein coding	1.5996	7.7094	9.1863	0.0024	0.0424
ENSG00000146592	CREB5	cAMP responsive element binding protein 5 [Source:HGNC Symbol;Acc:HGNC:16844]	protein coding	1.5971	4.5151	36.6290	<0.0001	<0.0001
ENSG00000143382	ADAMTSL4	ADAMTS like 4 [Source:HGNC Symbol;Acc:HGNC:19706]	protein coding	1.5745	5.3421	34.4842	<0.0001	<0.0001
ENSG00000135636	DYSF	dysferlin [Source:HGNC Symbol;Acc:HGNC:3097]	protein coding	1.5537	6.9740	39.8244	<0.0001	<0.0001

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000119917	IFIT3	interferon induced protein with tetratricopeptide repeats 3 [Source:HGNC Symbol;Acc:HGNC:5411]	protein coding	1.5532	7.5834	17.1815	<0.0001	0.0016
ENSG00000198019	FCGR1B	Fc fragment of IgG receptor 1b [Source:HGNC Symbol;Acc:HGNC:3614]	protein coding	1.5511	2.8895	10.1452	0.0014	0.0286
ENSG00000247982	LINC00926	long intergenic non-protein coding RNA 926 [Source:HGNC Symbol;Acc:HGNC:27514]	lncRNA	-1.5511	3.3738	18.8840	<0.0001	0.0008
ENSG00000137965	IFI44	interferon induced protein 44 [Source:HGNC Symbol;Acc:HGNC:16938]	protein coding	1.5325	6.5325	16.6000	<0.0001	0.002
ENSG00000128383	APOBEC3A	apolipoprotein B mRNA editing enzyme catalytic subunit 3A [Source:HGNC Symbol;Acc:HGNC:17343]	protein coding	1.5265	6.1896	13.6446	0.0002	0.0067
ENSG00000120949	TNFRSF8	TNF receptor superfamily member 8 [Source:HGNC Symbol;Acc:HGNC:11923]	protein coding	1.5195	3.1052	10.2639	0.0014	0.0272
ENSG00000004799	PKD4	pyruvate dehydrogenase kinase 4 [Source:HGNC Symbol;Acc:HGNC:8812]	protein coding	1.5088	4.4123	15.1054	0.0001	0.0037
ENSG00000121316	PLBD1	phospholipase B domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26215]	protein coding	1.5034	8.3605	63.4982	<0.0001	<0.0001
ENSG00000185745	IFIT1	interferon induced protein with tetratricopeptide repeats 1 [Source:HGNC Symbol;Acc:HGNC:5407]	protein coding	1.4942	7.2063	10.8820	0.001	0.0213
ENSG00000014914	MTMR11	myotubularin related protein 11 [Source:HGNC Symbol;Acc:HGNC:24307]	protein coding	1.4830	3.0575	14.9463	0.0001	0.0039
ENSG00000256594		C-type lectin domain family 2 (CLEC2) pseudogene	transcribed unprocessed pseudogene	-1.4787	3.0547	12.2883	0.0005	0.0118

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000119686	FLVCR2	FLVCR heme transporter 2 [Source:HGNC Sym- bol;Acc:HGNC:20105]	protein coding	1.4783	3.3919	14.2132	0.0002	0.0053
ENSG00000137959	IFI44L	interferon induced protein 44 like [Source:HGNC Sym- bol;Acc:HGNC:17817]	protein coding	1.4693	5.9673	10.8267	0.001	0.0217
ENSG00000138646	HERC5	HECT and RLD domain con- taining E3 ubiquitin protein ligase 5 [Source:HGNC Sym- bol;Acc:HGNC:24368]	protein coding	1.4608	6.4487	12.6354	0.0004	0.0103
ENSG00000019169	MARCO	macrophage receptor with collagenous struc- ture [Source:HGNC Sym- bol;Acc:HGNC:6895]	protein coding	1.4569	4.0625	11.1540	0.0008	0.019
ENSG00000197721	CR1L	complement C3b/C4b receptor 1 like [Source:HGNC Sym- bol;Acc:HGNC:2335]	protein coding	1.4544	2.3332	10.9254	0.0009	0.021
ENSG00000142733	MAP3K6	mitogen-activated protein kinase kinase kinase 6 [Source:HGNC Symbol;Acc:HGNC:6858]	protein coding	1.4531	3.4291	18.1792	<0.0001	0.001
ENSG00000111331	OAS3	2'-5'-oligoadenylate syn- thetase 3 [Source:HGNC Sym- bol;Acc:HGNC:8088]	protein coding	1.4512	8.5098	17.0249	<0.0001	0.0017
ENSG00000104972	LILRB1	leukocyte immunoglobulin like receptor B1 [Source:HGNC Sym- bol;Acc:HGNC:6605]	protein coding	1.4511	7.1617	70.7883	<0.0001	<0.0001
ENSG00000257335	MGAM	maltase-glucoamylase [Source:HGNC Sym- bol;Acc:HGNC:7043]	protein coding	1.4241	4.2653	20.2713	<0.0001	0.0004
ENSG00000198734	F5	coagulation factor V [Source:HGNC Sym- bol;Acc:HGNC:3542]	protein coding	1.4210	6.9511	41.0196	<0.0001	<0.0001
ENSG00000135838	NPL	N-acetylneuraminate pyruvate lyase [Source:HGNC Sym- bol;Acc:HGNC:16781]	protein coding	1.4026	4.5155	17.2300	<0.0001	0.0015
ENSG00000119922	IFIT2	interferon induced protein with tetratricopeptide re- peats 2 [Source:HGNC Sym- bol;Acc:HGNC:5409]	protein coding	1.4001	7.4200	17.0966	<0.0001	0.0016

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000186818	LILRB4	leukocyte immunoglobulin like receptor B4 [Source:HGNC Symbol;Acc:HGNC:6608]	protein coding	1.3983	6.6097	52.6489	<0.0001	<0.0001
ENSG00000163803	PLB1	phospholipase B1 [Source:HGNC Symbol;Acc:HGNC:30041]	protein coding	1.3928	2.9883	10.8008	0.001	0.0218
ENSG00000254704		macrophage expressed 1 (MPEG1) pseudogene	processed pseudo-gene	1.3919	5.4045	25.8976	<0.0001	<0.0001
ENSG00000171051	FPR1	formyl peptide receptor 1 [Source:HGNC Symbol;Acc:HGNC:3826]	protein coding	1.3895	9.0975	59.7680	<0.0001	<0.0001
ENSG00000270672	MTRNR2L6	MT-RNR2 like 6 [Source:HGNC Symbol;Acc:HGNC:37163]	protein coding	-1.3847	5.8690	13.5101	0.0002	0.007
ENSG00000160339	FCN2	ficolin 2 [Source:HGNC Symbol;Acc:HGNC:3624]	protein coding	1.3835	7.0868	42.5386	<0.0001	<0.0001
ENSG00000229809	ZNF688	zinc finger protein 688 [Source:HGNC Symbol;Acc:HGNC:30489]	protein coding	-1.3794	3.8741	11.0407	0.0009	0.02
ENSG00000188313	PLSCR1	phospholipid scramblase 1 [Source:HGNC Symbol;Acc:HGNC:9092]	protein coding	1.3680	7.2283	29.6351	<0.0001	<0.0001
ENSG00000157601	MX1	MX dynamin like GTPase 1 [Source:HGNC Symbol;Acc:HGNC:7532]	protein coding	1.3571	8.6067	12.8816	0.0003	0.0094
ENSG00000185101	ANO9	anoctamin 9 [Source:HGNC Symbol;Acc:HGNC:20679]	protein coding	-1.3563	3.8049	12.0485	0.0005	0.013
ENSG00000227376	FTH1P16	ferritin heavy chain 1 pseudogene 16 [Source:HGNC Symbol;Acc:HGNC:3986]	processed pseudo-gene	1.3539	4.6231	8.9285	0.0028	0.0472
ENSG00000135114	OASL	2'-5'-oligoadenylate synthetase like [Source:HGNC Symbol;Acc:HGNC:8090]	protein coding	1.3467	6.3408	18.7234	<0.0001	0.0008
ENSG00000249437	NAIP	NLR family apoptosis inhibitory protein [Source:HGNC Symbol;Acc:HGNC:7634]	protein coding	1.3401	5.4823	30.2831	<0.0001	<0.0001
ENSG00000144843	ADPRH	ADP-ribosylarginine hydrolase [Source:HGNC Symbol;Acc:HGNC:269]	protein coding	1.3342	4.1071	13.8903	0.0002	0.006

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000025708	TYMP	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	protein coding	1.3315	8.6565	33.0026	<0.0001	<0.0001
ENSG00000186152	LILRP1	leukocyte immunoglobulin-like receptor pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:15496]	unprocessed pseudo-gene	1.3304	4.5523	20.5233	<0.0001	0.0004
ENSG00000140379	BCL2A1	BCL2 related A1 [Source:HGNC Symbol;Acc:HGNC:991]	protein coding	1.3289	5.1493	35.1045	<0.0001	<0.0001
ENSG00000197249	SERPINA1	serpin family A member 1 [Source:HGNC Symbol;Acc:HGNC:8941]	protein coding	1.3212	10.4500	41.7436	<0.0001	<0.0001
ENSG00000198763	MT-ND2	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 2 [Source:HGNC Symbol;Acc:HGNC:7456]	protein coding	-1.3116	3.6333	9.5726	0.002	0.0359
ENSG00000118113	MMP8	matrix metalloproteinase 8 [Source:HGNC Symbol;Acc:HGNC:7175]	protein coding	1.3111	4.2528	13.1981	0.0003	0.0081
ENSG00000204387	SNHG32	small nucleolar RNA host gene 32 [Source:HGNC Symbol;Acc:HGNC:19078]	lncRNA	-1.3082	3.4892	15.2214	<0.0001	0.0035
ENSG00000104951	IL4I1	interleukin 4 induced 1 [Source:HGNC Symbol;Acc:HGNC:19094]	protein coding	1.3028	4.2851	12.9693	0.0003	0.009
ENSG00000104974	LILRA1	leukocyte immunoglobulin like receptor A1 [Source:HGNC Symbol;Acc:HGNC:6602]	protein coding	1.2990	5.5427	33.7140	<0.0001	<0.0001
ENSG00000186407	CD300E	CD300e molecule [Source:HGNC Symbol;Acc:HGNC:28874]	protein coding	1.2989	7.5264	68.5634	<0.0001	<0.0001
ENSG00000173372	C1QA	complement C1q A chain [Source:HGNC Symbol;Acc:HGNC:1241]	protein coding	1.2980	4.8743	39.6200	<0.0001	<0.0001
ENSG00000141574	SECTM1	secreted and transmembrane 1 [Source:HGNC Symbol;Acc:HGNC:10707]	protein coding	1.2877	7.7228	29.9369	<0.0001	<0.0001

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000126262	FFAR2	free fatty acid receptor 2 [Source:HGNC Symbol;Acc:HGNC:4501]	protein coding	1.2874	4.6504	10.1095	0.0015	0.0289
ENSG00000229644	NAMPTP1	nicotinamide phosphoribosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:17633]	processed pseudo-gene	1.2851	4.8217	25.4047	<0.0001	<0.0001
ENSG00000163220	S100A9	S100 calcium binding protein A9 [Source:HGNC Symbol;Acc:HGNC:10499]	protein coding	1.2842	12.0243	35.7019	<0.0001	<0.0001
ENSG00000187116	LILRA5	leukocyte immunoglobulin like receptor A5 [Source:HGNC Symbol;Acc:HGNC:16309]	protein coding	1.2761	7.2995	52.1027	<0.0001	<0.0001
ENSG00000236562	IFITM3P1	IFITM3 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:54538]	processed pseudo-gene	1.2750	4.3579	13.7602	0.0002	0.0064
ENSG00000139832	RAB20	RAB20, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:18260]	protein coding	1.2710	3.9556	14.3457	0.0002	0.005
ENSG00000244482	LILRA6	leukocyte immunoglobulin like receptor A6 [Source:HGNC Symbol;Acc:HGNC:15495]	protein coding	1.2579	5.3509	46.7180	<0.0001	<0.0001
ENSG00000229117	RPL41	ribosomal protein L41 [Source:HGNC Symbol;Acc:HGNC:10354]	protein coding	-1.2427	5.5988	22.4528	<0.0001	0.0002
ENSG00000183486	MX2	MX dynamin like GTPase 2 [Source:HGNC Symbol;Acc:HGNC:7533]	protein coding	1.2378	8.3610	18.8463	<0.0001	0.0008
ENSG00000203710	CR1	complement C3b/C4b receptor 1 (Knops blood group) [Source:HGNC Symbol;Acc:HGNC:2334]	protein coding	1.2360	7.2183	51.3591	<0.0001	<0.0001
ENSG00000160883	HK3	hexokinase 3 [Source:HGNC Symbol;Acc:HGNC:4925]	protein coding	1.2335	7.6628	71.1644	<0.0001	<0.0001
ENSG00000105835	NAMPT	nicotinamide phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:30092]	protein coding	1.2315	5.9766	33.7549	<0.0001	<0.0001

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000143546	S100A8	S100 calcium binding protein A8 [Source:HGNC Symbol;Acc:HGNC:10498]	protein coding	1.2283	10.7329	36.0942	<0.0001	<0.0001
ENSG00000204577	LILRB3	leukocyte immunoglobulin like receptor B3 [Source:HGNC Symbol;Acc:HGNC:6607]	protein coding	1.2258	6.5110	43.3915	<0.0001	<0.0001
ENSG00000143226	FCGR2A	Fc fragment of IgG receptor IIa [Source:HGNC Symbol;Acc:HGNC:3616]	protein coding	1.2221	6.7092	47.9166	<0.0001	<0.0001
ENSG00000018280	SLC11A1	solute carrier family 11 member 1 [Source:HGNC Symbol;Acc:HGNC:10907]	protein coding	1.2156	7.3694	81.4931	<0.0001	<0.0001
ENSG00000102760	RGCC	regulator of cell cycle [Source:HGNC Symbol;Acc:HGNC:20369]	protein coding	-1.2118	5.2164	33.3862	<0.0001	<0.0001
ENSG00000142089	IFITM3	interferon induced transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:5414]	protein coding	1.2066	8.4055	23.8518	<0.0001	<0.0001
ENSG00000038427	VCAN	versican [Source:HGNC Symbol;Acc:HGNC:2464]	protein coding	1.2058	12.0039	24.5073	<0.0001	<0.0001
ENSG00000121797	CCRL2	C-C motif chemokine receptor like 2 [Source:HGNC Symbol;Acc:HGNC:1612]	protein coding	1.2023	3.3718	9.2801	0.0023	0.0409
ENSG00000180061	TMEM150B	transmembrane protein 150B [Source:HGNC Symbol;Acc:HGNC:34415]	protein coding	1.1977	3.9366	12.3614	0.0004	0.0115
ENSG00000131042	LILRB2	leukocyte immunoglobulin like receptor B2 [Source:HGNC Symbol;Acc:HGNC:6606]	protein coding	1.1915	7.4434	51.8743	<0.0001	<0.0001
ENSG00000198727	MT-CYB	mitochondrially encoded cytochrome b [Source:HGNC Symbol;Acc:HGNC:7427]	protein coding	-1.1866	4.7795	28.2930	<0.0001	<0.0001
ENSG00000185339	TCN2	transcobalamin 2 [Source:HGNC Symbol;Acc:HGNC:11653]	protein coding	1.1850	5.2413	20.9762	<0.0001	0.0003
ENSG00000188820	CALHM6	calcium homeostasis modulator family member 6 [Source:HGNC Symbol;Acc:HGNC:33391]	protein coding	1.1793	5.6861	13.0597	0.0003	0.0086

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000126709	IFI6	interferon alpha inducible protein 6 [Source:HGNC Symbol;Acc:HGNC:4054]	protein coding	1.1784	9.2958	9.6656	0.0019	0.0348
ENSG00000161921	CXCL16	C-X-C motif chemokine ligand 16 [Source:HGNC Symbol;Acc:HGNC:16642]	protein coding	1.1592	5.0982	10.7847	0.001	0.0219
ENSG00000163281	GNPDA2	glucosamine-6-phosphate deaminase 2 [Source:HGNC Symbol;Acc:HGNC:21526]	protein coding	-1.1523	3.5633	9.4843	0.0021	0.0373
ENSG00000163625	WDFY3	WD repeat and FYVE domain containing 3 [Source:HGNC Symbol;Acc:HGNC:20751]	protein coding	1.1512	5.2233	22.1380	<0.0001	0.0002
ENSG00000123700	KCNJ2	potassium inwardly rectifying channel subfamily J member 2 [Source:HGNC Symbol;Acc:HGNC:6263]	protein coding	1.1435	4.6193	16.8940	<0.0001	0.0018
ENSG00000183019	MCEMP1	mast cell expressed membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:27291]	protein coding	1.1419	4.0603	10.8228	0.001	0.0217
ENSG00000170458	CD14	CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628]	protein coding	1.1390	10.3920	30.2776	<0.0001	<0.0001
ENSG00000141068	KSR1	kinase suppressor of ras 1 [Source:HGNC Symbol;Acc:HGNC:6465]	protein coding	1.1283	4.1219	9.5862	0.002	0.0358
ENSG00000134755	DSC2	desmocollin 2 [Source:HGNC Symbol;Acc:HGNC:3036]	protein coding	1.1271	5.8597	19.3223	<0.0001	0.0006
ENSG00000251898	SCARNA11	small Cajal body-specific RNA 11 [Source:HGNC Symbol;Acc:HGNC:32568]	scaRNA	-1.1229	4.5798	11.5457	0.0007	0.016
ENSG00000167207	NOD2	nucleotide binding oligomerization domain containing 2 [Source:HGNC Symbol;Acc:HGNC:5331]	protein coding	1.1135	4.4997	11.4274	0.0007	0.0168
ENSG00000115318	LOXL3	lysyl oxidase like 3 [Source:HGNC Symbol;Acc:HGNC:13869]	protein coding	1.1114	4.6015	20.2490	<0.0001	0.0004
ENSG00000115271	GCA	grancalcin [Source:HGNC Symbol;Acc:HGNC:15990]	protein coding	1.1090	7.3829	42.4130	<0.0001	<0.0001

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000089127	OAS1	2'-5'-oligoadenylate synthetase 1 [Source:HGNC Symbol;Acc:HGNC:8086]	protein coding	1.1062	7.9619	16.1384	<0.0001	0.0024
ENSG00000103313	MEFV	MEFV innate immunity regulator, pyrin [Source:HGNC Symbol;Acc:HGNC:6998]	protein coding	1.1060	7.2378	16.7555	<0.0001	0.0019
ENSG00000198848	CES1	carboxylesterase 1 [Source:HGNC Symbol;Acc:HGNC:1863]	protein coding	1.1027	4.7047	10.1213	0.0015	0.0288
ENSG00000134243	SORT1	sortilin 1 [Source:HGNC Symbol;Acc:HGNC:11186]	protein coding	1.1001	6.8343	37.6099	<0.0001	<0.0001
ENSG00000185482	STAC3	SH3 and cysteine rich domain 3 [Source:HGNC Symbol;Acc:HGNC:28423]	protein coding	1.0948	3.6378	14.3090	0.0002	0.0051
ENSG00000228974		S100 calcium binding protein A11 (S100A11) pseudogene	processed pseudo-gene	1.0919	5.3555	15.2605	<0.0001	0.0035
ENSG00000113749	HRH2	histamine receptor H2 [Source:HGNC Symbol;Acc:HGNC:5183]	protein coding	1.0918	4.7471	13.3805	0.0003	0.0074
ENSG00000196502	SULT1A1	sulfotransferase family 1A member 1 [Source:HGNC Symbol;Acc:HGNC:11453]	protein coding	1.0855	4.3959	13.4117	0.0003	0.0073
ENSG00000151726	ACSL1	acyl-CoA synthetase long chain family member 1 [Source:HGNC Symbol;Acc:HGNC:3569]	protein coding	1.0816	7.1830	24.9752	<0.0001	<0.0001
ENSG00000136830	NIBAN2	niban apoptosis regulator 2 [Source:HGNC Symbol;Acc:HGNC:25282]	protein coding	1.0789	5.8041	18.2085	<0.0001	0.001
ENSG00000198888	MT-ND1	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 1 [Source:HGNC Symbol;Acc:HGNC:7455]	protein coding	-1.0774	4.2612	13.4587	0.0002	0.0072
ENSG00000124788	ATXN1	ataxin 1 [Source:HGNC Symbol;Acc:HGNC:10548]	protein coding	1.0770	4.2397	8.8773	0.0029	0.0481
ENSG00000147419	CCDC25	coiled-coil domain containing 25 [Source:HGNC Symbol;Acc:HGNC:25591]	protein coding	-1.0767	3.3615	9.1230	0.0025	0.0436

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000026103	FAS	Fas cell surface death receptor [Source:HGNC Symbol;Acc:HGNC:11920]	protein coding	1.0741	4.5838	10.4486	0.0012	0.0252
ENSG00000110002	VWA5A	von Willebrand factor A domain containing 5A [Source:HGNC Symbol;Acc:HGNC:6658]	protein coding	1.0734	3.8514	12.4732	0.0004	0.011
ENSG00000107819	SFXN3	sideroflexin 3 [Source:HGNC Symbol;Acc:HGNC:16087]	protein coding	1.0724	4.1915	13.8864	0.0002	0.006
ENSG00000123384	LRP1	LDL receptor related protein 1 [Source:HGNC Symbol;Acc:HGNC:6692]	protein coding	1.0610	10.7606	31.4679	<0.0001	<0.0001
ENSG00000163823	CCR1	C-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC:1602]	protein coding	1.0600	7.4836	33.0109	<0.0001	<0.0001
ENSG00000135604	STX11	syntaxin 11 [Source:HGNC Symbol;Acc:HGNC:11429]	protein coding	1.0592	6.4427	41.3011	<0.0001	<0.0001
ENSG00000091106	NLRC4	NLR family CARD domain containing 4 [Source:HGNC Symbol;Acc:HGNC:16412]	protein coding	1.0582	5.6341	41.4108	<0.0001	<0.0001
ENSG00000132530	XAF1	XIAP associated factor 1 [Source:HGNC Symbol;Acc:HGNC:30932]	protein coding	1.0563	6.2234	12.1168	0.0005	0.0126
ENSG00000118418	HMGN3	high mobility group nucleosomal binding domain 3 [Source:HGNC Symbol;Acc:HGNC:12312]	protein coding	-1.0538	3.9946	14.3808	0.0001	0.0049
ENSG00000164125	GASK1B	golgi associated kinase 1B [Source:HGNC Symbol;Acc:HGNC:25312]	protein coding	1.0508	4.1918	13.9096	0.0002	0.006
ENSG00000133106	EPSTI1	epithelial stromal interaction 1 [Source:HGNC Symbol;Acc:HGNC:16465]	protein coding	1.0502	6.8451	14.4022	0.0001	0.0049
ENSG00000239998	LILRA2	leukocyte immunoglobulin like receptor A2 [Source:HGNC Symbol;Acc:HGNC:6603]	protein coding	1.0470	7.1310	39.1479	<0.0001	<0.0001
ENSG00000136689	IL1RN	interleukin 1 receptor antagonist [Source:HGNC Symbol;Acc:HGNC:6000]	protein coding	1.0434	4.8236	12.8966	0.0003	0.0093

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000127507	ADGRE2	adhesion G protein-coupled receptor E2 [Source:HGNC Symbol;Acc:HGNC:3337]	protein coding	1.0372	7.0149	39.0402	<0.0001	<0.0001
ENSG00000173083	HPSE	heparanase [Source:HGNC Symbol;Acc:HGNC:5164]	protein coding	1.0347	6.0391	18.5481	<0.0001	0.0009
ENSG00000174837	ADGRE1	adhesion G protein-coupled receptor E1 [Source:HGNC Symbol;Acc:HGNC:3336]	protein coding	1.0346	6.1735	34.4840	<0.0001	<0.0001
ENSG00000132205	EMILIN2	elastin microfibril interfacer 2 [Source:HGNC Symbol;Acc:HGNC:19881]	protein coding	1.0322	8.1013	53.9604	<0.0001	<0.0001
ENSG00000106605	BLVRA	biliverdin reductase A [Source:HGNC Symbol;Acc:HGNC:1062]	protein coding	1.0226	6.4389	15.7267	<0.0001	0.0028
ENSG00000247774	PCED1B-AS1	PCED1B antisense 1 [Source:HGNC Symbol;Acc:HGNC:44166]	lncRNA	-1.0200	5.1970	24.0740	<0.0001	<0.0001
ENSG00000204103	MAFB	MAF bZIP transcription factor B [Source:HGNC Symbol;Acc:HGNC:6408]	protein coding	1.0149	7.1063	16.1515	<0.0001	0.0024
ENSG00000112303	VNN2	vanin 2 [Source:HGNC Symbol;Acc:HGNC:12706]	protein coding	1.0135	7.3757	31.6074	<0.0001	<0.0001
ENSG00000172594	SMPDL3A	sphingomyelin phosphodiesterase acid like 3A [Source:HGNC Symbol;Acc:HGNC:17389]	protein coding	1.0112	4.2139	10.1410	0.0015	0.0286
ENSG00000085265	FCN1	ficolin 1 [Source:HGNC Symbol;Acc:HGNC:3623]	protein coding	1.0085	11.2520	26.6560	<0.0001	<0.0001
ENSG00000135842	NIBAN1	niban apoptosis regulator 1 [Source:HGNC Symbol;Acc:HGNC:16784]	protein coding	0.9995	7.0348	33.5008	<0.0001	<0.0001
ENSG00000104918	RETN	resistin [Source:HGNC Symbol;Acc:HGNC:20389]	protein coding	0.9915	5.8331	26.4041	<0.0001	<0.0001
ENSG00000167850	CD300C	CD300c molecule [Source:HGNC Symbol;Acc:HGNC:19320]	protein coding	0.9910	5.8615	43.3235	<0.0001	<0.0001
ENSG00000108861	DUSP3	dual specificity phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:3069]	protein coding	0.9882	4.4815	17.6387	<0.0001	0.0013

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000182511	FES	FES proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3657]	protein coding	0.9878	6.4784	54.2091	<0.0001	<0.0001
ENSG00000207205	RNVU1-15	RNA, variant U1 small nuclear 15 [Source:HGNC Symbol;Acc:HGNC:48320]	snRNA	-0.9877	8.3067	10.9947	0.0009	0.0204
ENSG00000251562	MALAT1	metastasis associated lung adenocarcinoma transcript 1 [Source:HGNC Symbol;Acc:HGNC:29665]	lncRNA	-0.9868	9.2591	9.5184	0.002	0.0369
ENSG00000162711	NLRP3	NLR family pyrin domain containing 3 [Source:HGNC Symbol;Acc:HGNC:16400]	protein coding	0.9859	5.0805	19.4556	<0.0001	0.0006
ENSG00000185507	IRF7	interferon regulatory factor 7 [Source:HGNC Symbol;Acc:HGNC:6122]	protein coding	0.9815	6.9700	17.7208	<0.0001	0.0013
ENSG00000140749	IGSF6	immunoglobulin superfamily member 6 [Source:HGNC Symbol;Acc:HGNC:5953]	protein coding	0.9808	6.9592	35.6634	<0.0001	<0.0001
ENSG00000123405	NFE2	nuclear factor, erythroid 2 [Source:HGNC Symbol;Acc:HGNC:7780]	protein coding	0.9807	5.9947	51.9625	<0.0001	<0.0001
ENSG00000106565	TMEM176B	transmembrane 176B [Source:HGNC Symbol;Acc:HGNC:29596]	protein coding	0.9804	8.7176	35.5193	<0.0001	<0.0001
ENSG00000275023	MLLT6	MLLT6, PHD finger containing [Source:HGNC Symbol;Acc:HGNC:7138]	protein coding	-0.9803	5.5539	14.9974	0.0001	0.0039
ENSG00000136826	KLF4	Kruppel like factor 4 [Source:HGNC Symbol;Acc:HGNC:6348]	protein coding	0.9795	5.0734	15.4865	<0.0001	0.0031
ENSG00000254470	AP5B1	adaptor related protein complex 5 subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:25104]	protein coding	0.9762	5.7311	20.3337	<0.0001	0.0004
ENSG00000136040	PLXNC1	plexin C1 [Source:HGNC Symbol;Acc:HGNC:9106]	protein coding	0.9747	6.5728	45.2781	<0.0001	<0.0001
ENSG00000141012	GALNS	galactosamine (N-acetyl)-6-sulfatase [Source:HGNC Symbol;Acc:HGNC:4122]	protein coding	0.9743	4.7491	22.1348	<0.0001	0.0002

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000198736	MSRB1	methionine sulfoxide reductase B1 [Source:HGNC Symbol;Acc:HGNC:14133]	protein coding	0.9739	5.6512	20.9516	<0.0001	0.0003
ENSG00000135821	GLUL	glutamate-ammonia ligase [Source:HGNC Symbol;Acc:HGNC:4341]	protein coding	0.9711	7.2514	47.6512	<0.0001	<0.0001
ENSG00000117308	GALE	UDP-galactose-4-epimerase [Source:HGNC Symbol;Acc:HGNC:4116]	protein coding	0.9667	3.5486	9.7030	0.0018	0.0343
ENSG00000237943	PRKCQ-AS1	PRKCQ antisense 1 [Source:HGNC Symbol;Acc:HGNC:44689]	lncRNA	-0.9656	4.1612	11.5354	0.0007	0.016
ENSG00000121807	CCR2	C-C motif chemokine receptor 2 [Source:HGNC Symbol;Acc:HGNC:1603]	protein coding	0.9624	7.8353	33.6036	<0.0001	<0.0001
ENSG00000187608	ISG15	ISG15 ubiquitin like modifier [Source:HGNC Symbol;Acc:HGNC:4053]	protein coding	0.9605	8.4097	8.8213	0.003	0.0491
ENSG00000109743	BST1	bone marrow stromal cell antigen 1 [Source:HGNC Symbol;Acc:HGNC:1118]	protein coding	0.9591	6.3641	23.9232	<0.0001	<0.0001
ENSG00000014257	ACP3	acid phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:125]	protein coding	0.9589	5.7076	28.6206	<0.0001	<0.0001
ENSG00000065911	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:HGNC Symbol;Acc:HGNC:7434]	protein coding	0.9506	4.9121	12.4829	0.0004	0.011
ENSG00000124731	TREM1	triggering receptor expressed on myeloid cells 1 [Source:HGNC Symbol;Acc:HGNC:17760]	protein coding	0.9503	5.8272	20.7271	<0.0001	0.0003
ENSG00000146094	DOK3	docking protein 3 [Source:HGNC Symbol;Acc:HGNC:24583]	protein coding	0.9473	6.3723	40.1454	<0.0001	<0.0001
ENSG00000197405	C5AR1	complement C5a receptor 1 [Source:HGNC Symbol;Acc:HGNC:1338]	protein coding	0.9472	7.2767	39.0191	<0.0001	<0.0001
ENSG00000165959	CLMN	calmin [Source:HGNC Symbol;Acc:HGNC:19972]	protein coding	0.9465	4.2016	10.9107	0.001	0.0211

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000007237	GAS7	growth arrest specific 7 [Source:HGNC Symbol;Acc:HGNC:4169]	protein coding	0.9464	5.7124	11.5781	0.0007	0.0158
ENSG00000035862	TIMP2	TIMP metalloproteinase inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:11821]	protein coding	0.9457	5.6031	18.6884	<0.0001	0.0008
ENSG00000135052	GOLM1	golgi membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:15451]	protein coding	0.9430	4.5774	14.0660	0.0002	0.0056
ENSG00000145819	ARHGAP26	Rho GTPase activating protein 26 [Source:HGNC Symbol;Acc:HGNC:17073]	protein coding	0.9429	6.2409	36.8323	<0.0001	<0.0001
ENSG00000183696	UPP1	uridine phosphorylase 1 [Source:HGNC Symbol;Acc:HGNC:12576]	protein coding	0.9423	4.7760	14.6534	0.0001	0.0044
ENSG00000005381	MPO	myeloperoxidase [Source:HGNC Symbol;Acc:HGNC:7218]	protein coding	-0.9399	5.1082	9.9383	0.0016	0.031
ENSG00000171314	PGAM1	phosphoglycerate mutase 1 [Source:HGNC Symbol;Acc:HGNC:8888]	protein coding	0.9363	4.3197	12.7025	0.0004	0.01
ENSG00000168899	VAMP5	vesicle associated membrane protein 5 [Source:HGNC Symbol;Acc:HGNC:12646]	protein coding	0.9361	5.9253	15.9143	<0.0001	0.0026
ENSG00000115828	QPCT	glutamyl-peptide cyclotransferase [Source:HGNC Symbol;Acc:HGNC:9753]	protein coding	0.9360	5.1317	14.2002	0.0002	0.0053
ENSG00000140105	WARS1	tryptophanyl-tRNA synthetase 1 [Source:HGNC Symbol;Acc:HGNC:12729]	protein coding	0.9316	9.1053	12.4938	0.0004	0.0109
ENSG00000189068	VSTM1	V-set and transmembrane domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29455]	protein coding	0.9302	3.5738	9.0427	0.0026	0.045
ENSG00000168615	ADAM9	ADAM metalloproteinase domain 9 [Source:HGNC Symbol;Acc:HGNC:216]	protein coding	0.9290	4.7531	11.4289	0.0007	0.0168
ENSG00000144802	NFKBIZ	NF-kB inhibitor zeta [Source:HGNC Symbol;Acc:HGNC:29805]	protein coding	0.9284	5.7145	11.0093	0.0009	0.0203

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000183023	SLC8A1	solute carrier family 8 member A1 [Source:HGNC Symbol;Acc:HGNC:11068]	protein coding	0.9270	5.8908	16.0005	<0.0001	0.0025
ENSG00000141505	ASGR1	asialoglycoprotein receptor 1 [Source:HGNC Symbol;Acc:HGNC:742]	protein coding	0.9236	4.8613	20.7852	<0.0001	0.0003
ENSG00000166825	ANPEP	alanyl aminopeptidase, membrane [Source:HGNC Symbol;Acc:HGNC:500]	protein coding	0.9224	8.3230	28.5504	<0.0001	<0.0001
ENSG00000198786	MT-ND5	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 5 [Source:HGNC Symbol;Acc:HGNC:7461]	protein coding	-0.9220	6.0996	14.3081	0.0002	0.0051
ENSG00000002933	TMEM176A	transmembrane 176A [Source:HGNC Symbol;Acc:HGNC:24930]	protein coding	0.9187	6.5411	23.5516	<0.0001	<0.0001
ENSG00000059728	MXD1	MAX dimerization protein 1 [Source:HGNC Symbol;Acc:HGNC:6761]	protein coding	0.9168	5.4635	22.0018	<0.0001	0.0002
ENSG00000138496	PARP9	poly(ADP-ribose) polymerase family member 9 [Source:HGNC Symbol;Acc:HGNC:24118]	protein coding	0.9137	7.8856	14.7233	0.0001	0.0043
ENSG00000170909	OSCAR	osteoclast associated Ig-like receptor [Source:HGNC Symbol;Acc:HGNC:29960]	protein coding	0.9110	6.4561	36.1904	<0.0001	<0.0001
ENSG00000101336	HCK	HCK proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:4840]	protein coding	0.9078	8.7696	34.5219	<0.0001	<0.0001
ENSG00000087253	LPCAT2	lysophosphatidylcholine acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:26032]	protein coding	0.9065	6.3553	22.3987	<0.0001	0.0002
ENSG00000115919	KYNU	kynureninase [Source:HGNC Symbol;Acc:HGNC:6469]	protein coding	0.9047	5.4422	15.4479	<0.0001	0.0032
ENSG00000125810	CD93	CD93 molecule [Source:HGNC Symbol;Acc:HGNC:15855]	protein coding	0.9031	8.1185	37.8522	<0.0001	<0.0001
ENSG00000100504	PYGL	glycogen phosphorylase L [Source:HGNC Symbol;Acc:HGNC:9725]	protein coding	0.9022	7.0630	45.5753	<0.0001	<0.0001

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000162747	FCGR3B	Fc fragment of IgG receptor IIIb [Source:HGNC Symbol;Acc:HGNC:3620]	protein coding	0.8984	5.6146	20.2332	<0.0001	0.0004
ENSG00000053918	KCNQ1	potassium voltage-gated channel subfamily Q member 1 [Source:HGNC Symbol;Acc:HGNC:6294]	protein coding	0.8972	4.4196	11.8869	0.0006	0.0137
ENSG00000100292	HMOX1	heme oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:5013]	protein coding	0.8966	6.9114	28.8767	<0.0001	<0.0001
ENSG00000221869	CEBPD	CCAAT enhancer binding protein delta [Source:HGNC Symbol;Acc:HGNC:1835]	protein coding	0.8961	6.6889	25.9192	<0.0001	<0.0001
ENSG00000200169	RNU5D-1	RNA, U5D small nuclear 1 [Source:HGNC Symbol;Acc:HGNC:10214]	snRNA	-0.8952	5.3356	17.9658	<0.0001	0.0011
ENSG00000168404	MLKL	mixed lineage kinase domain like pseudokinase [Source:HGNC Symbol;Acc:HGNC:26617]	protein coding	0.8948	5.3817	17.8427	<0.0001	0.0012
ENSG00000198355	PIM3	Pim-3 proto-oncogene, serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:19310]	protein coding	0.8930	5.5100	17.6337	<0.0001	0.0013
ENSG00000170581	STAT2	signal transducer and activator of transcription 2 [Source:HGNC Symbol;Acc:HGNC:11363]	protein coding	0.8928	8.3535	16.0143	<0.0001	0.0025
ENSG00000002549	LAP3	leucine aminopeptidase 3 [Source:HGNC Symbol;Acc:HGNC:18449]	protein coding	0.8910	7.8031	9.6044	0.0019	0.0357
ENSG00000138829	FBN2	fibrillin 2 [Source:HGNC Symbol;Acc:HGNC:3604]	protein coding	0.8896	6.1925	21.8060	<0.0001	0.0002
ENSG00000235568	NFAM1	NFAT activating protein with ITAM motif 1 [Source:HGNC Symbol;Acc:HGNC:29872]	protein coding	0.8859	6.7471	33.2408	<0.0001	<0.0001
ENSG00000103196	CRISPLD2	cysteine rich secretory protein LCCL domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25248]	protein coding	0.8824	5.6736	17.1479	<0.0001	0.0016

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000104324	CPQ	carboxypeptidase Q [Source:HGNC Symbol;Acc:HGNC:16910]	protein coding	0.8792	5.8261	21.0220	<0.0001	0.0003
ENSG00000211786	TRAV8-2	T cell receptor alpha variable 8-2 [Source:HGNC Symbol;Acc:HGNC:12147]	TR V gene	-0.8775	4.2067	9.5850	0.002	0.0358
ENSG00000137462	TLR2	toll like receptor 2 [Source:HGNC Symbol;Acc:HGNC:11848]	protein coding	0.8762	8.4054	23.8593	<0.0001	<0.0001
ENSG00000140678	ITGAX	integrin subunit alpha X [Source:HGNC Symbol;Acc:HGNC:6152]	protein coding	0.8761	8.4017	28.7996	<0.0001	<0.0001
ENSG00000141526	SLC16A3	solute carrier family 16 member 3 [Source:HGNC Symbol;Acc:HGNC:10924]	protein coding	0.8746	7.4435	49.4012	<0.0001	<0.0001
ENSG00000107968	MAP3K8	mitogen-activated protein kinase kinase kinase 8 [Source:HGNC Symbol;Acc:HGNC:6860]	protein coding	0.8728	4.3273	9.2462	0.0024	0.0414
ENSG00000166527	CLEC4D	C-type lectin domain family 4 member D [Source:HGNC Symbol;Acc:HGNC:14554]	protein coding	0.8685	4.2877	8.8823	0.0029	0.0481
ENSG00000125505	MBOAT7	membrane bound O-acyltransferase domain containing 7 [Source:HGNC Symbol;Acc:HGNC:15505]	protein coding	0.8641	7.3607	16.1703	<0.0001	0.0024
ENSG00000130589	HELZ2	helicase with zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:30021]	protein coding	0.8631	6.9385	12.7687	0.0004	0.0098
ENSG00000177575	CD163	CD163 molecule [Source:HGNC Symbol;Acc:HGNC:1631]	protein coding	0.8627	8.2998	22.4196	<0.0001	0.0002
ENSG00000139178	C1RL	complement C1r subcomponent like [Source:HGNC Symbol;Acc:HGNC:21265]	protein coding	0.8602	4.3880	11.8842	0.0006	0.0137
ENSG00000142512	SIGLEC10	sialic acid binding Ig like lectin 10 [Source:HGNC Symbol;Acc:HGNC:15620]	protein coding	0.8583	5.2391	11.5427	0.0007	0.016
ENSG00000196604	POTEF	POTE ankyrin domain family member F [Source:HGNC Symbol;Acc:HGNC:33905]	protein coding	0.8551	4.7625	11.5413	0.0007	0.016

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000138642	HERC6	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6 [Source:HGNC Symbol;Acc:HGNC:26072]	protein coding	0.8547	5.2796	11.9336	0.0006	0.0136
ENSG00000161642	ZNF385A	zinc finger protein 385A [Source:HGNC Symbol;Acc:HGNC:17521]	protein coding	0.8522	5.4960	16.4725	<0.0001	0.0021
ENSG00000095380	NANS	N-acetylneuraminatase [Source:HGNC Symbol;Acc:HGNC:19237]	protein coding	0.8506	4.9070	14.7913	0.0001	0.0042
ENSG00000128604	IRF5	interferon regulatory factor 5 [Source:HGNC Symbol;Acc:HGNC:6120]	protein coding	0.8503	5.8833	14.8726	0.0001	0.0041
ENSG00000158321	AUTS2	activator of transcription and developmental regulator AUTS2 [Source:HGNC Symbol;Acc:HGNC:14262]	protein coding	-0.8503	4.6279	9.4852	0.0021	0.0373
ENSG00000178719	GRINA	glutamate ionotropic receptor NMDA type subunit associated protein 1 [Source:HGNC Symbol;Acc:HGNC:4589]	protein coding	0.8499	7.2011	39.0050	<0.0001	<0.0001
ENSG00000177954	RPS27	ribosomal protein S27 [Source:HGNC Symbol;Acc:HGNC:10416]	protein coding	-0.8494	4.2831	10.6573	0.0011	0.0229
ENSG00000138119	MYOF	myoferlin [Source:HGNC Symbol;Acc:HGNC:3656]	protein coding	0.8493	7.0267	18.6828	<0.0001	0.0008
ENSG00000116741	RGS2	regulator of G protein signaling 2 [Source:HGNC Symbol;Acc:HGNC:9998]	protein coding	0.8485	6.5570	16.8463	<0.0001	0.0018
ENSG00000131981	LGALS3	galectin 3 [Source:HGNC Symbol;Acc:HGNC:6563]	protein coding	0.8484	6.5471	38.7146	<0.0001	<0.0001
ENSG00000102524	TNFSF13B	TNF superfamily member 13b [Source:HGNC Symbol;Acc:HGNC:11929]	protein coding	0.8481	6.1130	22.3762	<0.0001	0.0002
ENSG00000131634	TMEM204	transmembrane protein 204 [Source:HGNC Symbol;Acc:HGNC:14158]	protein coding	-0.8480	5.0740	16.1475	<0.0001	0.0024
ENSG00000100342	APOL1	apolipoprotein L1 [Source:HGNC Symbol;Acc:HGNC:618]	protein coding	0.8468	6.7072	12.1565	0.0005	0.0124

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000087086	FTL	ferritin light chain [Source:HGNC Symbol;Acc:HGNC:3999]	protein coding	0.8414	8.3914	24.3126	<0.0001	<0.0001
ENSG00000172216	CEBPB	CCAAT enhancer binding protein beta [Source:HGNC Symbol;Acc:HGNC:1834]	protein coding	0.8392	7.2850	42.1233	<0.0001	<0.0001
ENSG00000142405	NLRP12	NLR family pyrin domain containing 12 [Source:HGNC Symbol;Acc:HGNC:22938]	protein coding	0.8387	4.8684	10.2389	0.0014	0.0275
ENSG00000111335	OAS2	2'-5'-oligoadenylate synthetase 2 [Source:HGNC Symbol;Acc:HGNC:8087]	protein coding	0.8384	9.0697	12.7373	0.0004	0.01
ENSG00000075426	FOSL2	FOS like 2, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3798]	protein coding	0.8378	5.8321	19.9299	<0.0001	0.0005
ENSG00000155465	SLC7A7	solute carrier family 7 member 7 [Source:HGNC Symbol;Acc:HGNC:11065]	protein coding	0.8355	7.2642	30.4991	<0.0001	<0.0001
ENSG00000143554	SLC27A3	solute carrier family 27 member 3 [Source:HGNC Symbol;Acc:HGNC:10997]	protein coding	0.8340	6.3292	25.8665	<0.0001	<0.0001
ENSG00000103381	CPPED1	calcineurin like phosphoesterase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25632]	protein coding	0.8336	7.3387	29.2829	<0.0001	<0.0001
ENSG00000198804	MT-CO1	mitochondrially encoded cytochrome c oxidase I [Source:HGNC Symbol;Acc:HGNC:7419]	protein coding	-0.8329	6.3973	10.3881	0.0013	0.0258
ENSG00000129450	SIGLEC9	sialic acid binding Ig like lectin 9 [Source:HGNC Symbol;Acc:HGNC:10878]	protein coding	0.8314	6.8344	33.2752	<0.0001	<0.0001
ENSG00000006534	ALDH3B1	aldehyde dehydrogenase 3 family member B1 [Source:HGNC Symbol;Acc:HGNC:410]	protein coding	0.8296	5.2599	17.0905	<0.0001	0.0016
ENSG00000116729	WLS	Wnt ligand secretion mediator [Source:HGNC Symbol;Acc:HGNC:30238]	protein coding	0.8295	5.3476	11.1573	0.0008	0.019

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000044115	CTNNA1	catenin alpha 1 [Source:HGNC Symbol;Acc:HGNC:2509]	protein coding	0.8265	7.5581	30.0826	<0.0001	<0.0001
ENSG00000148411	NACC2	NACC family member 2 [Source:HGNC Symbol;Acc:HGNC:23846]	protein coding	0.8256	4.7818	11.1921	0.0008	0.0187
ENSG00000120708	TGFB1	transforming growth factor beta induced [Source:HGNC Symbol;Acc:HGNC:11771]	protein coding	0.8239	8.3778	35.8697	<0.0001	<0.0001
ENSG00000101493	ZNF516	zinc finger protein 516 [Source:HGNC Symbol;Acc:HGNC:28990]	protein coding	0.8223	4.5461	13.2240	0.0003	0.008
ENSG00000182022	CHST15	carbohydrate sulfotransferase 15 [Source:HGNC Symbol;Acc:HGNC:18137]	protein coding	0.8215	5.4755	16.5666	<0.0001	0.002
ENSG00000011422	PLAUR	plasminogen activator, urokinase receptor [Source:HGNC Symbol;Acc:HGNC:9053]	protein coding	0.8194	5.9970	27.2771	<0.0001	<0.0001
ENSG00000135677	GNS	glucosamine (N-acetyl)-6-sulfatase [Source:HGNC Symbol;Acc:HGNC:4422]	protein coding	0.8143	8.4701	33.6649	<0.0001	<0.0001
ENSG00000121064	SCPEP1	serine carboxypeptidase 1 [Source:HGNC Symbol;Acc:HGNC:29507]	protein coding	0.8133	7.8839	27.2197	<0.0001	<0.0001
ENSG00000179163	FUCA1	alpha-L-fucosidase 1 [Source:HGNC Symbol;Acc:HGNC:4006]	protein coding	0.8129	5.6860	21.9194	<0.0001	0.0002
ENSG00000169403	PTAFR	platelet activating factor receptor [Source:HGNC Symbol;Acc:HGNC:9582]	protein coding	0.8122	6.9248	17.4448	<0.0001	0.0014
ENSG00000178789	CD300LB	CD300 molecule like family member b [Source:HGNC Symbol;Acc:HGNC:30811]	protein coding	0.8107	5.1795	9.9469	0.0016	0.0309
ENSG00000116701	NCF2	neutrophil cytosolic factor 2 [Source:HGNC Symbol;Acc:HGNC:7661]	protein coding	0.8105	8.4731	30.0902	<0.0001	<0.0001
ENSG00000188906	LRRK2	leucine rich repeat kinase 2 [Source:HGNC Symbol;Acc:HGNC:18618]	protein coding	0.8084	7.9093	16.6830	<0.0001	0.0019

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000166523	CLEC4E	C-type lectin domain family 4 member E [Source:HGNC Symbol;Acc:HGNC:14555]	protein coding	0.8068	5.4061	17.8807	<0.0001	0.0012
ENSG00000136869	TLR4	toll like receptor 4 [Source:HGNC Symbol;Acc:HGNC:11850]	protein coding	0.8068	5.3891	16.6507	<0.0001	0.002
ENSG00000066336	SPI1	Spi-1 proto-oncogene [Source:HGNC Symbol;Acc:HGNC:11241]	protein coding	0.8064	8.4568	37.1372	<0.0001	<0.0001
ENSG00000068650	ATP11A	ATPase phospholipid transporting 11A [Source:HGNC Symbol;Acc:HGNC:13552]	protein coding	0.8052	6.2223	10.7735	0.001	0.022
ENSG00000100368	CSF2RB	colony stimulating factor 2 receptor subunit beta [Source:HGNC Symbol;Acc:HGNC:2436]	protein coding	0.8009	7.0595	36.8695	<0.0001	<0.0001
ENSG00000139318	DUSP6	dual specificity phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:3072]	protein coding	0.7998	7.4867	29.4991	<0.0001	<0.0001
ENSG00000004399	PLXND1	plexin D1 [Source:HGNC Symbol;Acc:HGNC:9107]	protein coding	0.7973	5.7983	22.5095	<0.0001	0.0002
ENSG00000178631	ACTG1P1	actin gamma 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:146]	processed pseudogene	0.7945	4.7742	10.4608	0.0012	0.0251
ENSG00000121858	TNFSF10	TNF superfamily member 10 [Source:HGNC Symbol;Acc:HGNC:11925]	protein coding	0.7921	8.5940	10.2530	0.0014	0.0273
ENSG00000110719	TCIRG1	T cell immune regulator 1, ATPase H+ transporting V0 subunit a3 [Source:HGNC Symbol;Acc:HGNC:11647]	protein coding	0.7916	7.9284	31.5503	<0.0001	<0.0001
ENSG00000169896	ITGAM	integrin subunit alpha M [Source:HGNC Symbol;Acc:HGNC:6149]	protein coding	0.7901	8.6430	22.9673	<0.0001	0.0001
ENSG00000175489	LRRC25	leucine rich repeat containing 25 [Source:HGNC Symbol;Acc:HGNC:29806]	protein coding	0.7884	7.7029	32.1907	<0.0001	<0.0001
ENSG00000030582	GRN	granulin precursor [Source:HGNC Symbol;Acc:HGNC:4601]	protein coding	0.7883	10.6204	20.4146	<0.0001	0.0004

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000111321	LTBR	lymphotoxin beta receptor [Source:HGNC Symbol;Acc:HGNC:6718]	protein coding	0.7879	5.5217	14.4826	0.0001	0.0047
ENSG00000273749	CYFIP1	cytoplasmic FMR1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:13759]	protein coding	0.7878	6.7640	25.5442	<0.0001	<0.0001
ENSG00000155629	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:30034]	protein coding	0.7870	7.7480	33.6861	<0.0001	<0.0001
ENSG00000196576	PLXNB2	plexin B2 [Source:HGNC Symbol;Acc:HGNC:9104]	protein coding	0.7866	8.3492	33.4134	<0.0001	<0.0001
ENSG00000181631	P2RY13	purinergic receptor P2Y13 [Source:HGNC Symbol;Acc:HGNC:4537]	protein coding	0.7864	7.1964	19.0059	<0.0001	0.0008
ENSG00000105355	PLIN3	perilipin 3 [Source:HGNC Symbol;Acc:HGNC:16893]	protein coding	0.7863	6.4936	33.9407	<0.0001	<0.0001
ENSG00000211801	TRAV21	T cell receptor alpha variable 21 [Source:HGNC Symbol;Acc:HGNC:12118]	TR V gene	-0.7853	5.2882	10.7044	0.0011	0.0226
ENSG00000184613	NELL2	neural EGFL like 2 [Source:HGNC Symbol;Acc:HGNC:7751]	protein coding	-0.7846	6.2474	24.1301	<0.0001	<0.0001
ENSG00000165801	ARHGEF40	Rho guanine nucleotide exchange factor 40 [Source:HGNC Symbol;Acc:HGNC:25516]	protein coding	0.7830	5.3251	12.8118	0.0003	0.0097
ENSG00000117602	RCAN3	RCAN family member 3 [Source:HGNC Symbol;Acc:HGNC:3042]	protein coding	-0.7817	6.3042	24.6203	<0.0001	<0.0001
ENSG00000164733	CTSB	cathepsin B [Source:HGNC Symbol;Acc:HGNC:2527]	protein coding	0.7811	9.4587	23.7896	<0.0001	<0.0001
ENSG00000197457	STMN3	stathmin 3 [Source:HGNC Symbol;Acc:HGNC:15926]	protein coding	-0.7759	5.3948	15.9385	<0.0001	0.0026
ENSG00000118181	RPS25	ribosomal protein S25 [Source:HGNC Symbol;Acc:HGNC:10413]	protein coding	-0.7748	6.3652	27.2757	<0.0001	<0.0001
ENSG00000135404	CD63	CD63 molecule [Source:HGNC Symbol;Acc:HGNC:1692]	protein coding	0.7734	8.6634	20.8558	<0.0001	0.0003

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000177697	CD151	CD151 molecule (Raph blood group) [Source:HGNC Symbol;Acc:HGNC:1630]	protein coding	0.7728	6.1827	26.9904	<0.0001	<0.0001
ENSG00000110057	UNC93B1	unc-93 homolog B1, TLR signaling regulator [Source:HGNC Symbol;Acc:HGNC:13481]	protein coding	0.7728	7.4461	24.8396	<0.0001	<0.0001
ENSG00000214212	C19orf38	chromosome 19 open reading frame 38 [Source:HGNC Symbol;Acc:HGNC:34073]	protein coding	0.7726	5.4927	11.8897	0.0006	0.0137
ENSG00000082397	EPB41L3	erythrocyte membrane protein band 4.1 like 3 [Source:HGNC Symbol;Acc:HGNC:3380]	protein coding	0.7708	6.1426	14.9929	0.0001	0.0039
ENSG00000198830	HMG2	high mobility group nucleosomal binding domain 2 [Source:HGNC Symbol;Acc:HGNC:4986]	protein coding	-0.7706	5.6031	10.6963	0.0011	0.0226
ENSG00000138448	ITGAV	integrin subunit alpha V [Source:HGNC Symbol;Acc:HGNC:6150]	protein coding	0.7650	5.0566	13.7628	0.0002	0.0064
ENSG00000085514	PILRA	paired immunoglobulin like type 2 receptor alpha [Source:HGNC Symbol;Acc:HGNC:20396]	protein coding	0.7648	7.2447	21.7373	<0.0001	0.0002
ENSG00000028137	TNFRSF1B	TNF receptor superfamily member 1B [Source:HGNC Symbol;Acc:HGNC:11917]	protein coding	0.7647	8.7629	28.8693	<0.0001	<0.0001
ENSG00000106348	IMPDH1	inosine monophosphate dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:6052]	protein coding	0.7641	5.3699	18.5764	<0.0001	0.0009
ENSG00000138463	SLC49A4	solute carrier family 49 member 4 [Source:HGNC Symbol;Acc:HGNC:16628]	protein coding	0.7636	4.2618	8.8527	0.0029	0.0484
ENSG00000186431	FCAR	Fc fragment of IgA receptor [Source:HGNC Symbol;Acc:HGNC:3608]	protein coding	0.7620	5.1773	9.9320	0.0016	0.0311
ENSG00000143878	RHOB	ras homolog family member B [Source:HGNC Symbol;Acc:HGNC:668]	protein coding	0.7616	5.8153	16.1137	<0.0001	0.0024
ENSG00000100097	LGALS1	galectin 1 [Source:HGNC Symbol;Acc:HGNC:6561]	protein coding	0.7577	7.8636	29.8442	<0.0001	<0.0001

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000119535	CSF3R	colony stimulating factor 3 receptor [Source:HGNC Symbol;Acc:HGNC:2439]	protein coding	0.7565	7.3865	24.8420	<0.0001	<0.0001
ENSG00000172243	CLEC7A	C-type lectin domain containing 7A [Source:HGNC Symbol;Acc:HGNC:14558]	protein coding	0.7543	5.4018	9.5758	0.002	0.0359
ENSG00000166927	MS4A7	membrane spanning 4-domains A7 [Source:HGNC Symbol;Acc:HGNC:13378]	protein coding	0.7519	6.1702	26.1494	<0.0001	<0.0001
ENSG00000166012	TAF1D	TATA-box binding protein associated factor, RNA polymerase I subunit D [Source:HGNC Symbol;Acc:HGNC:28759]	protein coding	-0.7511	4.2785	8.9265	0.0028	0.0472
ENSG00000011600	TYROBP	transmembrane immune signaling adaptor TYROBP [Source:HGNC Symbol;Acc:HGNC:12449]	protein coding	0.7510	8.6948	24.8785	<0.0001	<0.0001
ENSG00000167851	CD300A	CD300a molecule [Source:HGNC Symbol;Acc:HGNC:19319]	protein coding	0.7499	7.1971	33.2957	<0.0001	<0.0001
ENSG00000130164	LDLR	low density lipoprotein receptor [Source:HGNC Symbol;Acc:HGNC:6547]	protein coding	0.7498	5.9370	14.2203	0.0002	0.0053
ENSG00000152778	IFIT5	interferon induced with tetratricopeptide repeats 5 [Source:HGNC Symbol;Acc:HGNC:13328]	protein coding	0.7479	6.1071	9.3682	0.0022	0.0394
ENSG00000168564	CDKN2AIP	CDKN2A interacting protein [Source:HGNC Symbol;Acc:HGNC:24325]	protein coding	-0.7455	4.9700	10.2653	0.0014	0.0272
ENSG00000136816	TOR1B	torsin family 1 member B [Source:HGNC Symbol;Acc:HGNC:11995]	protein coding	0.7439	6.1871	8.8714	0.0029	0.0482
ENSG00000231991	ANXA2P2	annexin A2 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:539]	processed pseudogene	0.7437	7.8083	25.3280	<0.0001	<0.0001
ENSG00000101439	CST3	cystatin C [Source:HGNC Symbol;Acc:HGNC:2475]	protein coding	0.7406	9.4627	23.0132	<0.0001	0.0001

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000107738	VSIR	V-set immunoregulatory receptor [Source:HGNC Symbol;Acc:HGNC:30085]	protein coding	0.7403	8.8262	21.9863	<0.0001	0.0002
ENSG00000120885	CLU	clusterin [Source:HGNC Symbol;Acc:HGNC:2095]	protein coding	0.7373	6.5065	13.7584	0.0002	0.0064
ENSG00000168961	LGALS9	galectin 9 [Source:HGNC Symbol;Acc:HGNC:6570]	protein coding	0.7355	6.2215	11.9911	0.0005	0.0133
ENSG00000179639	FCER1A	Fc fragment of IgE receptor 1a [Source:HGNC Symbol;Acc:HGNC:3609]	protein coding	-0.7328	5.4342	10.7396	0.001	0.0223
ENSG00000167703	SLC43A2	solute carrier family 43 member 2 [Source:HGNC Symbol;Acc:HGNC:23087]	protein coding	0.7320	7.3114	15.9542	<0.0001	0.0026
ENSG00000186074	CD300LF	CD300 molecule like family member f [Source:HGNC Symbol;Acc:HGNC:29883]	protein coding	0.7306	6.0243	15.1929	<0.0001	0.0036
ENSG00000114450	GNB4	G protein subunit beta 4 [Source:HGNC Symbol;Acc:HGNC:20731]	protein coding	0.7286	6.3793	13.6734	0.0002	0.0066
ENSG00000173638	SLC19A1	solute carrier family 19 member 1 [Source:HGNC Symbol;Acc:HGNC:10937]	protein coding	0.7281	5.3304	13.9506	0.0002	0.0059
ENSG00000160255	ITGB2	integrin subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:6155]	protein coding	0.7277	12.0376	15.1265	0.0001	0.0037
ENSG00000106397	PLOD3	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 [Source:HGNC Symbol;Acc:HGNC:9083]	protein coding	0.7251	5.6477	9.1580	0.0025	0.0429
ENSG00000198015	MRPL42	mitochondrial ribosomal protein L42 [Source:HGNC Symbol;Acc:HGNC:14493]	protein coding	-0.7242	4.6830	10.7955	0.001	0.0218
ENSG00000163563	MNDA	myeloid cell nuclear differentiation antigen [Source:HGNC Symbol;Acc:HGNC:7183]	protein coding	0.7237	9.5422	16.1978	<0.0001	0.0024
ENSG00000232888	RPS11P5	ribosomal protein S11 pseudogene 5 [Source:HGNC Symbol;Acc:HGNC:36312]	processed pseudogene	-0.7237	5.7484	14.0531	0.0002	0.0057

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000013364	MVP	major vault protein [Source:HGNC Symbol;Acc:HGNC:7531]	protein coding	0.7233	8.5924	25.4257	<0.0001	<0.0001
ENSG000000130775	THEMIS2	thymocyte selection associated family member 2 [Source:HGNC Symbol;Acc:HGNC:16839]	protein coding	0.7230	7.9612	24.5339	<0.0001	<0.0001
ENSG000000138413	IDH1	isocitrate dehydrogenase (NADP(+)) 1 [Source:HGNC Symbol;Acc:HGNC:5382]	protein coding	0.7223	5.6766	13.3982	0.0003	0.0074
ENSG000000101307	SIRPB1	signal regulatory protein beta 1 [Source:HGNC Symbol;Acc:HGNC:15928]	protein coding	0.7219	6.2848	13.5487	0.0002	0.0069
ENSG000000172322	CLEC12A	C-type lectin domain family 12 member A [Source:HGNC Symbol;Acc:HGNC:31713]	protein coding	0.7219	7.2620	21.2170	<0.0001	0.0003
ENSG000000215895	HSPA5P1	HSPA5 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:54532]	processed pseudo-gene	0.7217	5.7972	13.6324	0.0002	0.0067
ENSG000000142657	PGD	phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:8891]	protein coding	0.7212	7.6069	24.7836	<0.0001	<0.0001
ENSG000000197746	PSAP	prosaposin [Source:HGNC Symbol;Acc:HGNC:9498]	protein coding	0.7210	13.1116	11.2832	0.0008	0.018
ENSG000000151176	PLBD2	phospholipase B domain containing 2 [Source:HGNC Symbol;Acc:HGNC:27283]	protein coding	0.7188	5.9097	17.8496	<0.0001	0.0012
ENSG000000186395	KRT10	keratin 10 [Source:HGNC Symbol;Acc:HGNC:6413]	protein coding	-0.7187	4.5926	9.3722	0.0022	0.0394
ENSG000000215057	PKMP5	pyruvate kinase M1/2 pseudogene 5 [Source:HGNC Symbol;Acc:HGNC:44247]	processed pseudo-gene	0.7180	5.4064	17.0529	<0.0001	0.0016
ENSG000000130303	BST2	bone marrow stromal cell antigen 2 [Source:HGNC Symbol;Acc:HGNC:1119]	protein coding	0.7166	7.9761	12.7857	0.0003	0.0098
ENSG000000113368	LMNB1	lamin B1 [Source:HGNC Symbol;Acc:HGNC:6637]	protein coding	0.7165	7.6328	19.3003	<0.0001	0.0007
ENSG000000145247	OCIAD2	OCIA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28685]	protein coding	-0.7128	5.5807	13.5069	0.0002	0.007

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000099204	ABLIM1	actin binding LIM protein 1 [Source:HGNC Symbol;Acc:HGNC:78]	protein coding	-0.7124	6.8124	26.5711	<0.0001	<0.0001
ENSG00000198053	SIRPA	signal regulatory protein alpha [Source:HGNC Symbol;Acc:HGNC:9662]	protein coding	0.7122	6.3486	18.9763	<0.0001	0.0008
ENSG00000166145	SPINT1	serine peptidase inhibitor, Kunitz type 1 [Source:HGNC Symbol;Acc:HGNC:11246]	protein coding	0.7111	5.1088	9.1985	0.0024	0.0422
ENSG00000137752	CASP1	caspase 1 [Source:HGNC Symbol;Acc:HGNC:1499]	protein coding	0.7092	7.3643	18.7657	<0.0001	0.0008
ENSG00000173114	LRRN3	leucine rich repeat neuronal 3 [Source:HGNC Symbol;Acc:HGNC:17200]	protein coding	-0.7081	6.6394	32.0111	<0.0001	<0.0001
ENSG00000160796	NBEAL2	neurobeachin like 2 [Source:HGNC Symbol;Acc:HGNC:31928]	protein coding	0.7056	7.4522	34.6687	<0.0001	<0.0001
ENSG00000137486	ARRB1	arrestin beta 1 [Source:HGNC Symbol;Acc:HGNC:711]	protein coding	0.7047	6.2516	21.8783	<0.0001	0.0002
ENSG00000075420	FNDC3B	fibronectin type III domain containing 3B [Source:HGNC Symbol;Acc:HGNC:24670]	protein coding	0.7038	5.5238	12.1575	0.0005	0.0124
ENSG00000105205	CLC	Charcot-Leyden galectin [Source:HGNC Symbol;Acc:HGNC:2014]	protein coding	-0.7019	4.9581	9.6775	0.0019	0.0347
ENSG00000122694	GLIPR2	GLI pathogenesis related 2 [Source:HGNC Symbol;Acc:HGNC:18007]	protein coding	0.7015	7.1497	26.1534	<0.0001	<0.0001
ENSG00000116337	AMPD2	adenosine monophosphate deaminase 2 [Source:HGNC Symbol;Acc:HGNC:469]	protein coding	0.6972	6.2018	12.3649	0.0004	0.0115
ENSG00000158517	NCF1	neutrophil cytosolic factor 1 [Source:HGNC Symbol;Acc:HGNC:7660]	protein coding	0.6944	5.9719	11.2243	0.0008	0.0185
ENSG00000100300	TSPO	translocator [Source:HGNC Symbol;Acc:HGNC:1158]	protein coding	0.6943	7.9942	14.5342	0.0001	0.0047
ENSG00000196189	SEMA4A	semaphorin 4A [Source:HGNC Symbol;Acc:HGNC:10729]	protein coding	0.6924	7.3009	26.6187	<0.0001	<0.0001

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000111843	TMEM14C	transmembrane protein 14C [Source:HGNC Symbol;Acc:HGNC:20952]	protein coding	-0.6911	4.8288	12.8806	0.0003	0.0094
ENSG00000174125	TLR1	toll like receptor 1 [Source:HGNC Symbol;Acc:HGNC:11847]	protein coding	0.6899	5.7644	11.6101	0.0007	0.0156
ENSG00000000938	FGR	FGR proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3697]	protein coding	0.6898	8.0362	27.6003	<0.0001	<0.0001
ENSG00000198585	NUDT16	nudix hydrolase 16 [Source:HGNC Symbol;Acc:HGNC:26442]	protein coding	0.6877	4.9871	11.2121	0.0008	0.0186
ENSG00000141540	TTYH2	tweety family member 2 [Source:HGNC Symbol;Acc:HGNC:13877]	protein coding	0.6866	5.0086	15.9116	<0.0001	0.0026
ENSG00000152894	PTPRK	protein tyrosine phosphatase receptor type K [Source:HGNC Symbol;Acc:HGNC:9674]	protein coding	-0.6845	4.2762	8.8676	0.0029	0.0482
ENSG00000021355	SERPINB1	serpin family B member 1 [Source:HGNC Symbol;Acc:HGNC:3311]	protein coding	0.6799	8.1828	25.2832	<0.0001	<0.0001
ENSG00000118960	HS1BP3	HCLS1 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:24979]	protein coding	0.6791	4.6685	9.1200	0.0025	0.0437
ENSG00000137575	SDCBP	syndecan binding protein [Source:HGNC Symbol;Acc:HGNC:10662]	protein coding	0.6787	7.4149	19.5409	<0.0001	0.0006
ENSG00000059377	TBXAS1	thromboxane A synthase 1 [Source:HGNC Symbol;Acc:HGNC:11609]	protein coding	0.6785	7.4452	22.4790	<0.0001	0.0002
ENSG00000133246	PRAM1	PML-RARA regulated adaptor molecule 1 [Source:HGNC Symbol;Acc:HGNC:30091]	protein coding	0.6757	6.6368	25.2672	<0.0001	<0.0001
ENSG00000090376	IRAK3	interleukin 1 receptor associated kinase 3 [Source:HGNC Symbol;Acc:HGNC:17020]	protein coding	0.6746	5.8473	18.0695	<0.0001	0.0011
ENSG00000118508	RAB32	RAB32, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9772]	protein coding	0.6745	4.8876	8.8549	0.0029	0.0484

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000167106	FAM102A	family with sequence similarity 102 member A [Source:HGNC Symbol;Acc:HGNC:31419]	protein coding	-0.6723	6.0240	19.5358	<0.0001	0.0006
ENSG00000165929	TC2N	tandem C2 domains, nuclear [Source:HGNC Symbol;Acc:HGNC:19859]	protein coding	-0.6713	5.3238	11.9947	0.0005	0.0133
ENSG00000134955	SLC37A2	solute carrier family 37 member 2 [Source:HGNC Symbol;Acc:HGNC:20644]	protein coding	0.6712	5.5157	16.0147	<0.0001	0.0025
ENSG00000203747	FCGR3A	Fc fragment of IgG receptor IIIa [Source:HGNC Symbol;Acc:HGNC:3619]	protein coding	0.6708	8.0498	15.4800	<0.0001	0.0031
ENSG00000197548	ATG7	autophagy related 7 [Source:HGNC Symbol;Acc:HGNC:16935]	protein coding	0.6700	5.2029	10.4123	0.0013	0.0256
ENSG00000186635	ARAP1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1 [Source:HGNC Symbol;Acc:HGNC:16925]	protein coding	0.6699	7.5185	26.9791	<0.0001	<0.0001
ENSG00000169554	ZEB2	zinc finger E-box binding homeobox 2 [Source:HGNC Symbol;Acc:HGNC:14881]	protein coding	0.6695	7.2791	24.1053	<0.0001	<0.0001
ENSG00000105514	RAB3D	RAB3D, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9779]	protein coding	0.6691	6.1341	11.9819	0.0005	0.0133
ENSG00000159399	HK2	hexokinase 2 [Source:HGNC Symbol;Acc:HGNC:4923]	protein coding	0.6691	6.5428	22.5863	<0.0001	0.0002
ENSG00000254415	SIGLEC14	sialic acid binding Ig like lectin 14 [Source:HGNC Symbol;Acc:HGNC:32926]	protein coding	0.6671	5.3578	11.4016	0.0007	0.017
ENSG00000197629	MPEG1	macrophage expressed 1 [Source:HGNC Symbol;Acc:HGNC:29619]	protein coding	0.6665	10.5298	12.5772	0.0004	0.0106
ENSG00000113916	BCL6	BCL6 transcription repressor [Source:HGNC Symbol;Acc:HGNC:1001]	protein coding	0.6643	6.1458	16.5483	<0.0001	0.002
ENSG00000084234	APLP2	amyloid beta precursor like protein 2 [Source:HGNC Symbol;Acc:HGNC:598]	protein coding	0.6619	10.1973	14.7196	0.0001	0.0043

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000115486	GGCX	gamma-glutamyl carboxylase [Source:HGNC Symbol;Acc:HGNC:4247]	protein coding	0.6603	4.8403	10.6924	0.0011	0.0226
ENSG00000198951	NAGA	alpha-N-acetylgalactosaminidase [Source:HGNC Symbol;Acc:HGNC:7631]	protein coding	0.6600	7.2123	17.2478	<0.0001	0.0015
ENSG00000163840	DTX3L	deltex 3 E3 ubiquitin ligase [Source:HGNC Symbol;Acc:HGNC:30323]	protein coding	0.6589	7.5939	10.9311	0.0009	0.0209
ENSG00000136205	TNS3	tensin 3 [Source:HGNC Symbol;Acc:HGNC:21616]	protein coding	0.6566	5.5989	10.6874	0.0011	0.0226
ENSG00000171777	RASGRP4	RAS guanyl releasing protein 4 [Source:HGNC Symbol;Acc:HGNC:18958]	protein coding	0.6565	5.1977	10.3259	0.0013	0.0266
ENSG00000163131	CTSS	cathepsin S [Source:HGNC Symbol;Acc:HGNC:2545]	protein coding	0.6561	11.9008	9.9925	0.0016	0.0303
ENSG00000100364	KIAA0930	KIAA0930 [Source:HGNC Symbol;Acc:HGNC:1314]	protein coding	0.6559	5.5524	16.4323	<0.0001	0.0022
ENSG00000104093	DMXL2	Dmx like 2 [Source:HGNC Symbol;Acc:HGNC:2938]	protein coding	0.6552	7.0413	12.9946	0.0003	0.0089
ENSG00000155363	MOV10	Mov10 RISC complex RNA helicase [Source:HGNC Symbol;Acc:HGNC:7200]	protein coding	0.6545	5.9228	11.0913	0.0009	0.0196
ENSG00000152495	CAMK4	calcium/calmodulin dependent protein kinase IV [Source:HGNC Symbol;Acc:HGNC:1464]	protein coding	-0.6527	6.3822	18.1031	<0.0001	0.0011
ENSG00000059804	SLC2A3	solute carrier family 2 member 3 [Source:HGNC Symbol;Acc:HGNC:11007]	protein coding	0.6503	6.7345	18.9199	<0.0001	0.0008
ENSG00000213026	CFL1P4	cofilin 1 pseudogene 4 [Source:HGNC Symbol;Acc:HGNC:1880]	processed pseudogene	0.6496	5.3585	9.1167	0.0025	0.0437
ENSG00000197122	SRC	SRC proto-oncogene, non-receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:11283]	protein coding	0.6487	5.1166	9.2371	0.0024	0.0415

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000142185	TRPM2	transient receptor potential cation channel subfamily M member 2 [Source:HGNC Symbol;Acc:HGNC:12339]	protein coding	0.6485	4.6590	11.0463	0.0009	0.02
ENSG00000171298	GAA	glucosidase alpha, acid [Source:HGNC Symbol;Acc:HGNC:4065]	protein coding	0.6482	7.7456	21.7558	<0.0001	0.0002
ENSG00000172936	MYD88	MYD88 innate immune signal transduction adaptor [Source:HGNC Symbol;Acc:HGNC:7562]	protein coding	0.6481	7.6823	15.9898	<0.0001	0.0025
ENSG00000204397	CARD16	caspase recruitment domain family member 16 [Source:HGNC Symbol;Acc:HGNC:33701]	protein coding	0.6473	6.0409	12.3375	0.0004	0.0116
ENSG00000196154	S100A4	S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:HGNC:10494]	protein coding	0.6464	10.0675	17.6221	<0.0001	0.0013
ENSG00000213626	LBH	LBH regulator of WNT signaling pathway [Source:HGNC Symbol;Acc:HGNC:29532]	protein coding	-0.6429	7.7666	20.8446	<0.0001	0.0003
ENSG00000170892	TSEN34	tRNA splicing endonuclease subunit 34 [Source:HGNC Symbol;Acc:HGNC:15506]	protein coding	0.6423	5.5157	11.9719	0.0005	0.0133
ENSG00000116260	QSOX1	quiescin sulphydryl oxidase 1 [Source:HGNC Symbol;Acc:HGNC:9756]	protein coding	0.6414	6.9090	22.5418	<0.0001	0.0002
ENSG00000166313	APBB1	amyloid beta precursor protein binding family B member 1 [Source:HGNC Symbol;Acc:HGNC:581]	protein coding	-0.6409	5.2730	12.7206	0.0004	0.01
ENSG00000173442	EHBP1L1	EH domain binding protein 1 like 1 [Source:HGNC Symbol;Acc:HGNC:30682]	protein coding	0.6393	7.0154	28.1993	<0.0001	<0.0001
ENSG00000100284	TOM1	target of myb1 membrane trafficking protein [Source:HGNC Symbol;Acc:HGNC:11982]	protein coding	0.6391	5.8936	13.5650	0.0002	0.0069
ENSG0000028277	POU2F2	POU class 2 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:9213]	protein coding	0.6369	6.1239	17.1335	<0.0001	0.0016

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000182578	CSF1R	colony stimulating factor 1 receptor [Source:HGNC Symbol;Acc:HGNC:2433]	protein coding	0.6359	9.4274	18.1704	<0.0001	0.001
ENSG00000185722	ANKFY1	ankyrin repeat and FYVE domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20763]	protein coding	0.6354	6.8505	18.7165	<0.0001	0.0008
ENSG00000135363	LMO2	LIM domain only 2 [Source:HGNC Symbol;Acc:HGNC:6642]	protein coding	0.6337	5.7453	12.4019	0.0004	0.0113
ENSG00000213857		actin, beta (ACTB) pseudogene	processed pseudo-gene	0.6335	6.1763	10.4895	0.0012	0.0248
ENSG00000120594	PLXDC2	plexin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21013]	protein coding	0.6327	7.1272	19.5063	<0.0001	0.0006
ENSG00000090339	ICAM1	intercellular adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:5344]	protein coding	0.6326	5.6548	11.9184	0.0006	0.0136
ENSG00000135218	CD36	CD36 molecule [Source:HGNC Symbol;Acc:HGNC:1663]	protein coding	0.6320	8.4626	10.8442	0.001	0.0216
ENSG00000008130	NADK	NAD kinase [Source:HGNC Symbol;Acc:HGNC:29831]	protein coding	0.6318	7.5154	18.8813	<0.0001	0.0008
ENSG00000110446	SLC15A3	solute carrier family 15 member 3 [Source:HGNC Symbol;Acc:HGNC:18068]	protein coding	0.6280	6.6908	20.7896	<0.0001	0.0003
ENSG00000117410	ATP6V0B	ATPase H+ transporting V0 subunit b [Source:HGNC Symbol;Acc:HGNC:861]	protein coding	0.6277	7.3299	15.7833	<0.0001	0.0027
ENSG00000114737	CISH	cytokine inducible SH2 containing protein [Source:HGNC Symbol;Acc:HGNC:1984]	protein coding	0.6276	5.8415	10.7270	0.0011	0.0224
ENSG00000142173	COL6A2	collagen type VI alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2212]	protein coding	-0.6247	5.4525	11.5502	0.0007	0.016
ENSG00000266920	ACTBP9	ACTB pseudogene 9 [Source:HGNC Symbol;Acc:HGNC:142]	processed pseudo-gene	0.6243	6.9342	16.2891	<0.0001	0.0023

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000254087	LYN	LYN proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:6735]	protein coding	0.6233	8.5152	16.1296	<0.0001	0.0024
ENSG00000167552	TUBA1A	tubulin alpha 1a [Source:HGNC Symbol;Acc:HGNC:20766]	protein coding	0.6220	6.1776	22.6209	<0.0001	0.0002
ENSG00000104763	ASAH1	N-acylsphingosine amidohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:735]	protein coding	0.6210	8.6586	13.4875	0.0002	0.0071
ENSG00000138795	LEF1	lymphoid enhancer binding factor 1 [Source:HGNC Symbol;Acc:HGNC:6551]	protein coding	-0.6206	8.0957	25.5532	<0.0001	<0.0001
ENSG00000163191	S100A11	S100 calcium binding protein A11 [Source:HGNC Symbol;Acc:HGNC:10488]	protein coding	0.6206	9.0271	12.1669	0.0005	0.0124
ENSG00000197766	CFD	complement factor D [Source:HGNC Symbol;Acc:HGNC:2771]	protein coding	0.6185	7.7844	19.7024	<0.0001	0.0006
ENSG00000173821	RNF213	ring finger protein 213 [Source:HGNC Symbol;Acc:HGNC:14539]	protein coding	0.6184	10.6021	9.8686	0.0017	0.0319
ENSG00000054967	RELT	RELT TNF receptor [Source:HGNC Symbol;Acc:HGNC:13764]	protein coding	0.6181	4.9005	10.8580	0.001	0.0215
ENSG00000148908	RGS10	regulator of G protein signaling 10 [Source:HGNC Symbol;Acc:HGNC:9992]	protein coding	-0.6175	6.1166	18.9299	<0.0001	0.0008
ENSG00000163932	PRKCD	protein kinase C delta [Source:HGNC Symbol;Acc:HGNC:9399]	protein coding	0.6170	7.7430	16.7938	<0.0001	0.0018
ENSG00000171223	JUNB	JunB proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:6205]	protein coding	0.6167	7.0090	22.5204	<0.0001	0.0002
ENSG00000111639	MRPL51	mitochondrial ribosomal protein L51 [Source:HGNC Symbol;Acc:HGNC:14044]	protein coding	-0.6151	6.0155	17.1854	<0.0001	0.0016
ENSG00000158869	FCER1G	Fc fragment of IgE receptor Ig [Source:HGNC Symbol;Acc:HGNC:3611]	protein coding	0.6127	8.2745	19.6081	<0.0001	0.0006

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000023445	BIRC3	baculoviral IAP repeat containing 3 [Source:HGNC Symbol;Acc:HGNC:591]	protein coding	-0.6103	5.3999	12.7187	0.0004	0.01
ENSG00000166340	TPP1	tripeptidyl peptidase 1 [Source:HGNC Symbol;Acc:HGNC:2073]	protein coding	0.6094	8.5440	18.2345	<0.0001	0.001
ENSG00000167553	TUBA1C	tubulin alpha 1c [Source:HGNC Symbol;Acc:HGNC:20768]	protein coding	0.6093	5.6792	12.1646	0.0005	0.0124
ENSG00000064601	CTSA	cathepsin A [Source:HGNC Symbol;Acc:HGNC:9251]	protein coding	0.6057	8.0406	16.6609	<0.0001	0.002
ENSG00000108582	CPD	carboxypeptidase D [Source:HGNC Symbol;Acc:HGNC:2301]	protein coding	0.6057	7.3353	13.7088	0.0002	0.0065
ENSG00000136573	BLK	BLK proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:1057]	protein coding	-0.6056	5.1266	9.8967	0.0017	0.0316
ENSG00000113269	RNF130	ring finger protein 130 [Source:HGNC Symbol;Acc:HGNC:18280]	protein coding	0.6050	6.9733	18.4147	<0.0001	0.0009
ENSG00000170266	GLB1	galactosidase beta 1 [Source:HGNC Symbol;Acc:HGNC:4298]	protein coding	0.6032	7.0718	18.8317	<0.0001	0.0008
ENSG00000100060	MFNG	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:HGNC:7038]	protein coding	-0.6032	6.1240	18.0947	<0.0001	0.0011
ENSG00000196562	SULF2	sulfatase 2 [Source:HGNC Symbol;Acc:HGNC:20392]	protein coding	0.6027	7.7330	19.5986	<0.0001	0.0006
ENSG00000026751	SLAMF7	SLAM family member 7 [Source:HGNC Symbol;Acc:HGNC:21394]	protein coding	0.6014	7.1182	15.4356	<0.0001	0.0032
ENSG00000158092	NCK1	NCK adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:7664]	protein coding	-0.6014	5.4517	10.1257	0.0015	0.0288
ENSG00000182179	UBA7	ubiquitin like modifier activating enzyme 7 [Source:HGNC Symbol;Acc:HGNC:12471]	protein coding	0.6005	7.0680	17.5384	<0.0001	0.0013
ENSG00000162909	CAPN2	calpain 2 [Source:HGNC Symbol;Acc:HGNC:1479]	protein coding	0.5999	7.9814	16.2527	<0.0001	0.0023

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000085491	SLC25A24	solute carrier family 25 member 24 [Source:HGNC Symbol;Acc:HGNC:20662]	protein coding	0.5997	5.9840	14.9021	0.0001	0.004
ENSG00000150991	UBC	ubiquitin C [Source:HGNC Symbol;Acc:HGNC:12468]	protein coding	0.5994	9.9314	13.3884	0.0003	0.0074
ENSG00000159720	ATP6V0D1	ATPase H+ transporting V0 subunit d1 [Source:HGNC Symbol;Acc:HGNC:13724]	protein coding	0.5984	7.8174	15.3506	<0.0001	0.0033
ENSG00000185215	TNFAIP2	TNF alpha induced protein 2 [Source:HGNC Symbol;Acc:HGNC:11895]	protein coding	0.5976	7.1563	14.5585	0.0001	0.0046
ENSG00000138760	SCARB2	scavenger receptor class B member 2 [Source:HGNC Symbol;Acc:HGNC:1665]	protein coding	0.5971	6.6447	13.8308	0.0002	0.0062
ENSG00000083444	PLOD1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:9081]	protein coding	0.5971	6.0277	21.4752	<0.0001	0.0002
ENSG00000176393	RNPEP	arginyl aminopeptidase [Source:HGNC Symbol;Acc:HGNC:10078]	protein coding	0.5968	6.1284	14.1485	0.0002	0.0054
ENSG00000213763	ACTBP2	ACTB pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:135]	processed pseudogene	0.5966	9.2325	16.0112	<0.0001	0.0025
ENSG00000005020	SKAP2	src kinase associated phosphoprotein 2 [Source:HGNC Symbol;Acc:HGNC:15687]	protein coding	0.5935	6.7021	14.0279	0.0002	0.0057
ENSG00000145416	MARCHF1	membrane associated ring-CH-type finger 1 [Source:HGNC Symbol;Acc:HGNC:26077]	protein coding	0.5902	6.4906	18.8427	<0.0001	0.0008
ENSG00000111144	LTA4H	leukotriene A4 hydrolase [Source:HGNC Symbol;Acc:HGNC:6710]	protein coding	0.5901	8.0341	14.1861	0.0002	0.0054
ENSG00000143376	SNX27	sorting nexin 27 [Source:HGNC Symbol;Acc:HGNC:20073]	protein coding	0.5897	5.7961	10.1311	0.0015	0.0287
ENSG00000163956	LRPAP1	LDL receptor related protein associated protein 1 [Source:HGNC Symbol;Acc:HGNC:6701]	protein coding	0.5889	7.3556	14.5192	0.0001	0.0047

Supplementary Table 13: Differentially translated genes at Day 2 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 2 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020). (continued).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day2.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000109046	WSB1	WD repeat and SOCS box containing 1 [Source:HGNC Symbol;Acc:HGNC:19221]	protein coding	0.5879	6.3860	9.0910	0.0026	0.0441
ENSG00000204482	LST1	leukocyte specific transcript 1 [Source:HGNC Symbol;Acc:HGNC:14189]	protein coding	0.5869	6.1451	13.6828	0.0002	0.0066
ENSG00000136026	CKAP4	cytoskeleton associated protein 4 [Source:HGNC Symbol;Acc:HGNC:16991]	protein coding	0.5861	6.3302	10.1762	0.0014	0.0282
ENSG00000105339	DENND3	DENN domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29134]	protein coding	0.5850	5.8609	16.3608	<0.0001	0.0022

Supplementary Table 14: Differentially translated genes at Day 8 compared to Day 1 for DTP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000202031	SNORD38A	small nucleolar RNA, C/D box 38A [Source:HGNC Symbol;Acc:HGNC:30355]	snoRNA	-1.6002	6.9227	46.4581	<0.0001	<0.0001
ENSG00000183508	TENT5C	terminal nucleotidyltransferase 5C [Source:HGNC Symbol;Acc:HGNC:24712]	protein coding	0.9524	6.6179	23.7824	<0.0001	0.006

Supplementary Table 15: Differentially translated genes at Day 8 compared to Day 1 for DTaP. Sorted by descending absolute $\log_2$ fold change (Day 8 vs. Day 1). Gene model summaries and annotations are based on Ensembl Version 100 (April 2020).

ensembl.gene.id	gene.name	gene.description	gene.type	lfc.day8.vs.day1	average.log2.cpm	likelihood.ratio.test.statistic	p.value	fdr.adjusted.p.value
ENSG00000055332	EIF2AK2	eukaryotic translation initiation factor 2 alpha kinase 2 [Source:HGNC Symbol;Acc:HGNC:9437]	protein coding	1.2859	6.4031	20.5685	<0.0001	0.0214
ENSG00000211642	IGLV10-54	immunoglobulin lambda variable 10-54 [Source:HGNC Symbol;Acc:HGNC:5884]	IG V gene	-1.0954	6.2925	23.7257	<0.0001	0.0124
ENSG00000135916	ITM2C	integral membrane protein 2C [Source:HGNC Symbol;Acc:HGNC:6175]	protein coding	-0.9912	7.2323	22.0903	<0.0001	0.0145