

Supplementary Notes (Statistics)

Figure 1b:

(n) = 3 independent experimental repeats (plotted). Mean (Columns) and standard deviation (error bars) shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

<u>Statistical tests</u>					
ANOVA summary					
F	36.2				
P value	<0.0001				
P value summary	****				
Significant diff. among means (P < 0.05)?	Yes				
R squared	0.9314				
Brown-Forsythe test					
F (DFn, DFd)	1.830 (3, 8)				
P value	0.2199				
P value summary	ns				
Are SDs significantly different (P < 0.05)?	No				
ANOVA table					
	SS	DF	MS	F (DFn, DFd)	P value
Treatment (between columns)	2.485E+18	3	8.282E+17	F (3, 8) = 36.20	P<0.0001
Residual (within columns)	1.83E+17	8	2.288E+16		
Total	2.668E+18	11			
Data summary					
Number of treatments (columns)	4				
Number of values (total)	12				
<u>Multiple Comparisons</u>					
Number of families	1				
Number of comparisons per family	6				
Alpha	0.05				
Tukey's multiple comparisons test					
	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
16hr vs. 22hr	-7600000	-403080551 to 387880551	No	ns	>0.9999
16hr vs. 28hr	-52266667	-447747218 to 343213884	No	ns	0.9729
16hr vs. 48 hr	-1069766667	-1465247218 to -674286116	Yes	***	0.0001
22hr vs. 28hr	-44666667	-440147218 to 350813884	No	ns	0.9827
22hr vs. 48 hr	-1062166667	-1457647218 to -666686116	Yes	***	0.0001
28hr vs. 48 hr	-1017500000	-1412980551 to -622019449	Yes	***	0.0002
Test details					
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1
16hr vs. 22hr	233333	7833333	-7600000	123496902	3
16hr vs. 28hr	233333	52500000	-52266667	123496902	3
16hr vs. 48 hr	233333	1070000000	-1069766667	123496902	3
22hr vs. 28hr	7833333	52500000	-44666667	123496902	3
22hr vs. 48 hr	7833333	1070000000	-1062166667	123496902	3
28hr vs. 48 hr	52500000	1070000000	-1017500000	123496902	3

Figure 1d:

(n) = 3 independent experimental repeats were performed, data pooled, and a data point corresponding to each nucleus plotted. Mean (Lines) and standard deviation (error bars) shown. The number of nuclei analyzed for each condition are as follows:

	uninfected no hpg	uninfected HPG	AdV no hpg	AdV HPG
Number of nuclei	166	169	178	173

A Gaussian distribution was assumed. Equal variance was *not* assumed for null hypothesis testing.

Statistical tests								
Brown-Forsythe ANOVA test								
F* (DFn, DFd)	816.2 (3.000, 205.2)							
P value	<0.0001							
P value summary	****							
Significant diff. among means (P < 0.05)?	Yes							
Welch's ANOVA test								
W (DFn, DFd)	1144 (3.000, 327.5)							
P value	<0.0001							
P value summary	****							
Significant diff. among means (P < 0.05)?	Yes							
Data summary								
Number of treatments (columns)	4							
Number of values (total)	686							
Multiple Comparisons								
Number of families	1							
Number of comparisons per family	6							
Alpha	0.05							
Dunnett's T3 multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value			
Mock no hpg vs. mock HPG	-22.48	-23.81 to -21.15	Yes	****	<0.0001	A-B		
Mock no hpg vs. Ad no hpg	0.197	-2.392e+075 to 2.	No	ns	>0.9999	A-C		
Mock no hpg vs. Ad HPG	-45.65	-49.89 to -41.41	Yes	****	<0.0001	A-D		
mock HPG vs. Ad no hpg	22.68	21.34 to 24.01	Yes	****	<0.0001	B-C		
mock HPG vs. Ad HPG	-23.17	-27.61 to -18.74	Yes	****	<0.0001	B-D		
Ad no hpg vs. Ad HPG	-45.85	-50.09 to -41.61	Yes	****	<0.0001	C-D		
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	t	DF
Mock no hpg vs. mock HPG	1.883	24.36	-22.48	0.4597	166	169	48.9	169.1
Mock no hpg vs. Ad no hpg	1.883	1.686	0.197	0.03118	166	178	6.318	285.1
Mock no hpg vs. Ad HPG	1.883	47.54	-45.65	1.462	166	173	31.22	172.1
mock HPG vs. Ad no hpg	24.36	1.686	22.68	0.4592	169	178	49.38	168.5
mock HPG vs. Ad HPG	24.36	47.54	-23.17	1.532	169	173	15.12	205.5
Ad no hpg vs. Ad HPG	1.686	47.54	-45.85	1.462	178	173	31.36	172

Figure 1i:

(n) = 3 independent experimental repeats were performed, data pooled, and data corresponding to each photobleached nuclear body plotted together. A total of 22 nuclear bodies were analyzed.

Figure 2d:

(n) = 2 independent experimental repeats were performed, data pooled, and a data point corresponding to each nucleus plotted. Mean (line) is shown. A total of 332 nuclei positive for expression of 52K-GFP were analyzed and each assigned to one of 3 phenotype categories (diffuse, punctate, or large).

A Gaussian distribution and equal variance were *not* assumed for null hypothesis testing.

Statistical Tests						
Kruskal-Wallis test						
P value	<0.0001					
Exact or approximate P value?	Approximate					
P value summary	****					
Do the medians vary signif. (P < 0.05)?	Yes					
Number of groups	3					
Kruskal-Wallis statistic	141					
Data summary						
Number of treatments (columns)	3					
Number of values (total)	332					
Multiple Comparisons						
Number of families	1					
Number of comparisons per family	3					
Alpha	0.05					
Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value		
Diffuse vs. Punctate	-60.33	Yes	****	<0.0001	A-B	
Diffuse vs. Large	-168.2	Yes	****	<0.0001	A-C	
Punctate vs. Large	-107.9	Yes	****	<0.0001	B-C	
Test details	Mean rank 1	Mean rank 2	Mean rank diff.	n1	n2	Z
Diffuse vs. Punctate	119.7	180.1	-60.33	182	90	4.878
Diffuse vs. Large	119.7	288	-168.2	182	60	11.77
Punctate vs. Large	180.1	288	-107.9	90	60	6.743
Test for normal distribution						
Anderson-Darling test						
A2*	7.729	0.8197	0.2915			
P value	<0.0001	0.0329	0.5963			
Passed normality test (alpha=0.05)?	No	No	Yes			
P value summary	****	*	ns			
D'Agostino & Pearson test						
K2	21.21	7.56	0.218			
P value	<0.0001	0.0228	0.8967			
Passed normality test (alpha=0.05)?	No	No	Yes			
P value summary	****	*	ns			
Shapiro-Wilk test						
W	0.8778	0.9653	0.9848			
P value	<0.0001	0.0167	0.6602			
Passed normality test (alpha=0.05)?	No	No	Yes			
P value summary	****	*	ns			
Kolmogorov-Smirnov test						
KS distance	0.1756	0.07956	0.06139			
P value	<0.0001	>0.1000	>0.1000			
Passed normality test (alpha=0.05)?	No	Yes	Yes			
P value summary	****	ns	ns			
Number of values						
	182	90	60			

Figure 2i:

(n) = 3 independent experimental repeats (plotted). Mean (Columns) and standard deviation (error bars) shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Statistical Tests							
Two-way RM ANOVA		Matching: Stacked					
Assume sphericity?		No					
Alpha		0.05					
Source of Variation		% of total variation	P value	P value summary	Significant?	Geisser-Greenhouse's epsilon	
Row Factor x Column Factor		0.569	0.9492	ns	No		
Row Factor		78.33	0.003	**	Yes	0.3347	
Column Factor		0.2354	0.7441	ns	No		
Subject		7.691	0.0998	ns	No		
ANOVA table		SS	DF	MS	F (DFn, DFd)	P value	
Row Factor x Column Factor		4423814	4	1105953	F (4, 16) = 0.1728	P=0.9492	
Row Factor		608975504	4	152243876	F (1.339, 5.355) = 23.78	P=0.0030	
Column Factor		1829967	1	1829967	F (1, 4) = 0.1224	P=0.7441	
Subject		59797048	4	14949262	F (4, 16) = 2.335	P=0.0998	
Residual		102432424	16	6402027			
Difference between column means							
Mean of Ad5		4116					
Mean of Δ52K		3622					
Difference between means		494					
SE of difference		1412					
95% CI of difference		-3426 to 4414					
Data summary							
Number of columns (Column Factor)		2					
Number of rows (Row Factor)		5					
Number of subjects (Subject)		6					
Number of missing values		0					
Multiple Comparisons							
Compare each cell mean with the other cell mean in that row							
Number of families		1					
Number of comparisons per family		5					
Alpha		0.05					
Šidák's multiple comparisons test		Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value	
Ad5 - Δ52K							
4	-0.5381	-3.695 to 2.618	No	ns	0.7397		
12	2.505	-19.62 to 24.63	No	ns	0.9414		
24	-201.8	-4266 to 3862	No	ns	0.9996		
36	803.3	-11460 to 13067	No	ns	0.9993		
48	1866	-19550 to 23283	No	ns	0.9976		
Test details		Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2 t DF
Ad5 - Δ52K							
4	1	1.538	-0.5381	0.3214	3	3	1.674 2
12	4.711	2.206	2.505	2.629	3	3	0.9529 2.207
24	1162	1363	-201.8	707.3	3	3	0.2853 3.028
36	7059	6256	803.3	2530	3	3	0.3175 3.692
48	12354	10487	1866	4487	3	3	0.4159 3.77

Figure 3g:

(n) = 3 independent experimental repeats were performed, data pooled, and data corresponding to each photobleached nuclear body plotted. The number of nuclear bodies analyzed for each condition are as follows:

	WT	P/A	Q/G
Number of nuclear bodies	32	35	32

Figure 3h:

The data plotted corresponds to Figure 3g. Mean (columns) and standard deviation (error bars) are shown. A Gaussian distribution and equal variance were *not* assumed for null hypothesis testing.

Statistical Tests						
ANOVA summary						
Kruskal-Wallis test						
P value	<0.0001					
Exact or approximate P value?	Approximate					
P value summary	****					
Do the medians vary signif. (P < 0.05)?	Yes					
Number of groups	3					
Kruskal-Wallis statistic	27.52					
Data summary						
Number of treatments (columns)	3					
Number of values (total)	99					
Multiple Comparisons						
Number of families	1					
Number of comparisons per family	3					
Alpha	0.05					
Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value		
WT vs. PtoA	-34.7	Yes	****	<0.0001	A-B	
WT vs. QtoG	-7.297	No	ns	0.9272	A-C	
PtoA vs. QtoG	27.4	Yes	***	0.0003	B-C	
Test details	Mean rank 1	Mean rank 2	Mean rank diff.	n1	n2	Z
WT vs. PtoA	35.38	70.07	-34.7	32	35	4.944
WT vs. QtoG	35.38	42.67	-7.297	32	32	1.017
PtoA vs. QtoG	70.07	42.67	27.4	35	32	3.904
Test for normal distribution						
	WT	P/A	Q/G			
Anderson-Darling test						
A2*	1.478	0.2982	0.439			
P value	0.0007	0.5682	0.2757			
Passed normality test (alpha=0.05)?	No	Yes	Yes			
P value summary	***	ns	ns			
D'Agostino & Pearson test						
K2	6.18	2.687	1.513			
P value	0.0455	0.2609	0.4693			
Passed normality test (alpha=0.05)?	No	Yes	Yes			
P value summary	*	ns	ns			
Shapiro-Wilk test						
W	0.8916	0.9714	0.9634			
P value	0.0038	0.484	0.3398			
Passed normality test (alpha=0.05)?	No	Yes	Yes			
P value summary	**	ns	ns			
Kolmogorov-Sminov test						
KS distance	0.2295	0.1061	0.1062			
P value	0.0002	>0.1000	>0.1000			
Passed normality test (alpha=0.05)?	No	Yes	Yes			
P value summary	***	ns	ns			
Number of values	32	35	32			

Figure 3i:

The data plotted corresponds to Figure 3g. Mean (columns) and standard deviation (error bars) are shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Statistical Tests							
ANOVA summary							
F	19.6						
P value	<0.0001						
P value summary	****						
Significant diff. among means (P < 0.05)?	Yes						
R squared	0.29						
Brown-Forsythe test							
F (DFn, DFd)	6.685 (2, 96)						
P value	0.0019						
P value summary	**						
Are SDs significantly different (P < 0.05)?	Yes						
Bartlett's test							
Bartlett's statistic (corrected)	9.953						
P value	0.0069						
P value summary	**						
Are SDs significantly different (P < 0.05)?	Yes						
ANOVA table							
	SS	DF	MS	F (DFn, DFd)	P value		
Treatment (between columns)	4701	2	2351	F (2, 96) = 19.60	P<0.0001		
Residual (within columns)	11511	96	119.9				
Total	16213	98					
Data summary							
Number of treatments (columns)	3						
Number of values (total)	99						
Multiple Comparisons							
Number of families	1						
Number of comparisons per family	3						
Alpha	0.05						
Tukey's multiple comparisons test							
	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value		
WT vs. PtoA	15.01	8.634 to 21.39	Yes	****	<0.0001	A-B	
WT vs. QtoG	1.269	-5.248 to 7.786	No	ns	0.8885	A-C	
PtoA vs. QtoG	-13.74	-20.12 to -7.365	Yes	****	<0.0001	B-C	
Test details							
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q DF
WT vs. PtoA	89.35	74.34	15.01	2.678	32	35	7.926 96
WT vs. QtoG	89.35	88.08	1.269	2.738	32	32	0.6555 96
PtoA vs. QtoG	74.34	88.08	-13.74	2.678	35	32	7.256 96
Test for normal distribution							
	WT	P/A	Q/G				
Anderson-Darling test							
A2*	0.27	0.4163	0.2715				
P value	0.6547	0.3149	0.6494				
Passed normality test (alpha=0.05)?	Yes	Yes	Yes				
P value summary	ns	ns	ns				
D'Agostino & Pearson test							
K2	0.786	4.673	1.221				
P value	0.675	0.0966	0.5431				
Passed normality test (alpha=0.05)?	Yes	Yes	Yes				
P value summary	ns	ns	ns				
Shapiro-Wilk test							
W	0.977	0.9563	0.9708				
P value	0.7089	0.1769	0.5206				
Passed normality test (alpha=0.05)?	Yes	Yes	Yes				
P value summary	ns	ns	ns				
Kolmogorov-Smirnov test							
KS distance	0.08666	0.09735	0.08428				
P value	>0.1000	>0.1000	>0.1000				
Passed normality test (alpha=0.05)?	Yes	Yes	Yes				
P value summary	ns	ns	ns				
Number of values	32	35	32				

Figure 4b:

(n) = 3 independent experimental repeats were performed, data pooled, and a data point corresponding to each nuclear localization phenotype plotted. The number of nuclei analyzed for each condition and % of cells corresponding to each phenotype are as follows:

Time	cells analyzed (pooled)		Phenotype	1	2	3	4	5
16	193		%	59.06736	34.19689	6.217617	0	0
18	188			41.48936	36.70213	18.61702	2.659574	0.531915
20	180			31.66667	16.66667	38.88889	7.777778	5
22	158			12.65823	12.65823	37.97468	21.51899	15.18987
24	155			5.806452	9.677419	27.09677	25.16129	32.25806
28	196			1.020408	9.693878	7.142857	20.91837	61.22449

Figure 4f:

(n) = 3 independent experimental repeats were performed, data pooled, and a data point corresponding to each cell plotted. Mean (columns) and standard deviation (error bars) are shown. The number of cells analyzed for each condition are as follows:

	20 hpi	26 hpi	26 hpi
	minus HU	minus HU	plus HU
Number of cells	61	38	31

A Gaussian distribution was assumed for null hypothesis testing. Equal variance was *not* assumed for null hypothesis testing.

Statistical Tests								
Brown-Forsythe ANOVA test								
F* (DFn, DFd)	42.07 (2.000, 98.16)							
P value	<0.0001							
P value summary	****							
Significant diff. among means (P < 0.05)?	Yes							
Welch's ANOVA test								
W (DFn, DFd)	90.72 (2.000, 70.01)							
P value	<0.0001							
P value summary	****							
Significant diff. among means (P < 0.05)?	Yes							
Data summary								
Number of treatments (columns)	3							
Number of values (total)	130							
Multiple Comparisons								
Number of families	1							
Number of comparisons per family	3							
Alpha	0.05							
Dunnett's T3 multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value			
20 h vs. - HU	1.092	-6.966 to 9.150	No	ns	0.9767	A-B		
20 h vs. + HU	22.42	16.69 to 28.15	Yes	****	<0.0001	A-C		
- HU vs. + HU	21.33	14.99 to 27.67	Yes	****	<0.0001	B-C		
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	t	DF
20 h vs. - HU	30.07	28.97	1.092	2.989	61	38	0.3653	87.16
20 h vs. + HU	30.07	7.645	22.42	2.116	61	31	10.59	71.25
- HU vs. + HU	28.97	7.645	21.33	2.297	38	31	9.285	43.12
Test for normal distribution	20 hpi	26 hpi	26 hpi					
Anderson-Darling test	minus HU	minus HU	plus HU					
A2*	0.4481	0.5561	0.7124					
P value	0.2702	0.1412	0.0566					
Passed normality test (alpha=0.05)?	Yes	Yes	Yes					
P value summary	ns	ns	ns					
D'Agostino & Pearson test								
K2	2.268	0.8953	3.155					
P value	0.3217	0.6391	0.2065					
Passed normality test (alpha=0.05)?	Yes	Yes	Yes					
P value summary	ns	ns	ns					
Shapiro-Wilk test								
W	0.9692	0.967	0.9491					
P value	0.1271	0.3163	0.1473					
Passed normality test (alpha=0.05)?	Yes	Yes	Yes					
P value summary	ns	ns	ns					
Kolmogorov-Smirnov test								
KS distance	0.08434	0.1178	0.2023					
P value	>0.1000	>0.1000	0.0023					
Passed normality test (alpha=0.05)?	Yes	Yes	No					
P value summary	ns	ns	**					
Number of values	61	38	31					

Figure 4g:

(n) = 3 independent experimental repeats were performed, data pooled, and a data point corresponding to each nuclear body plotted. Median (central line), Interquartile interval (box), and 5-95 percentiles (whiskers) are shown. The number of nuclear bodies analyzed for each condition are as follows:

	20 hpi	26 hpi	26 hpi
	minus HU	minus HU	plus HU
Number of nuclear bodies	1469	1101	237

A Gaussian distribution and equal variance were *not* assumed for null hypothesis testing.

Statistical Tests						
Kruskal-Wallis test						
P value	<0.0001					
Exact or approximate P value?	Approximate					
P value summary	****					
Do the medians vary signif. (P < 0.05)?	Yes					
Number of groups	3					
Kruskal-Wallis statistic	447.1					
Data summary						
Number of treatments (columns)	3					
Number of values (total)	2807					
Multiple Comparisons						
Number of families	1					
Number of comparisons per family	3					
Alpha	0.05					
Dunn's multiple comparisons test						
	Mean rank diff.	Significant?	Summary	Adjusted P Value		
20 h vs. - HU	26.54	No	ns	>0.9999	A-B	
20 h vs. + HU	-1150	Yes	****	<0.0001	A-C	
- HU vs. + HU	-1177	Yes	****	<0.0001	B-C	
Test details						
	Mean rank 1	Mean rank 2	Mean rank diff.	n1	n2	Z
20 h vs. - HU	1317	1291	26.54	1469	1101	0.8221
20 h vs. + HU	1317	2468	-1150	1469	237	20.29
- HU vs. + HU	1291	2468	-1177	1101	237	20.29
Test for normal distribution						
	20 hpi	26 hpi	26 hpi			
Anderson-Darling test	minus HU	minus HU	plus HU			
A2*	25.97	16.04	1.073			
P value	<0.0001	<0.0001	0.008			
Passed normality test (alpha=0.05)?	No	No	No			
P value summary	****	****	**			
D'Agostino & Pearson test						
K2	139.1	85.37	2.028			
P value	<0.0001	<0.0001	0.3628			
Passed normality test (alpha=0.05)?	No	No	Yes			
P value summary	****	****	ns			
Shapiro-Wilk test						
W	0.9341	0.9428	0.9861			
P value	<0.0001	<0.0001	0.0208			
Passed normality test (alpha=0.05)?	No	No	No			
P value summary	****	****	*			
Kolmogorov-Smirnov test						
KS distance	0.1028	0.1029	0.06445			
P value	<0.0001	<0.0001	0.0184			
Passed normality test (alpha=0.05)?	No	No	No			
P value summary	****	****	*			
Number of values	1469	1101	237			

Figure 4k:

(n) = 3 independent experimental repeats (plotted). Mean (Columns) and standard deviation (error bars) shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Statistical Tests								
ANOVA summary								
F	40.56							
P value	<0.0001							
P value summary	****							
Significant diff. among means (P < 0.05)?	Yes							
R squared	0.9383							
Brown-Forsythe test								
F (DFn, DFd)	0.7113 (3, 8)							
P value	0.5721							
P value summary	ns							
Are SDs significantly different (P < 0.05)?	No							
Bartlett's test								
Bartlett's statistic (corrected)								
P value								
P value summary								
Are SDs significantly different (P < 0.05)?								
ANOVA table								
	SS	DF	MS	F (DFn, DFd)	P value			
Treatment (between columns)	5456	3	1819	F (3, 8) = 40.56	P<0.0001			
Residual (within columns)	358.7	8	44.83					
Total	5815	11						
Data summary								
Number of treatments (columns)	4							
Number of values (total)	12							
Multiple Comparisons								
Number of families	1							
Number of comparisons per family	6							
Alpha	0.05							
Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value			
52K Ts369 vs. 52K WT	14.55	-2.956 to 32.06	No	ns	0.1072	A-B		
52K Ts369 vs. IIIa Ts369	56.7	39.20 to 74.21	Yes	****	<0.0001	A-C		
52K Ts369 vs. IIIa WT	13.16	-4.343 to 30.67	No	ns	0.1527	A-D		
52K WT vs. IIIa Ts369	42.15	24.64 to 59.66	Yes	***	0.0003	B-C		
52K WT vs. IIIa WT	-1.387	-18.89 to 16.12	No	ns	0.9938	B-D		
IIIa Ts369 vs. IIIa WT	-43.54	-61.05 to -26.03	Yes	***	0.0002	C-D		
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
52K Ts369 vs. 52K WT	56.7	42.15	14.55	5.467	3	3	3.764	8
52K Ts369 vs. IIIa Ts369	56.7	0	56.7	5.467	3	3	14.67	8
52K Ts369 vs. IIIa WT	56.7	43.54	13.16	5.467	3	3	3.405	8
52K WT vs. IIIa Ts369	42.15	0	42.15	5.467	3	3	10.9	8
52K WT vs. IIIa WT	42.15	43.54	-1.387	5.467	3	3	0.3587	8
IIIa Ts369 vs. IIIa WT	0	43.54	-43.54	5.467	3	3	11.26	8

Figure 4m:

(n) = 3 independent experimental repeats (plotted) for each set. Individual ANOVA was performed for each set, comparing negative control cells (- 52K), WT 52K expressing cells, and R/K expressing cells. Adv infected controls from Set 1 and Set 2 were combined and plotted as a single column comprising total 6 repeats in order to provide context. Mean (Columns) and standard deviation (error bars) shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Set 1							
ANOVA summary							
F	399.1						
P value	<0.0001						
P value summary	****						
Significant diff. among means (P < 0.05)?	Yes						
R squared	0.9925						
Brown-Forsythe test							
F (DFn, DFd)	1.198 (2, 6)						
P value	0.3648						
P value summary	ns						
Are SDs significantly different (P < 0.05)?	No						
Bartlett's test							
Bartlett's statistic (corrected)							
P value							
P value summary							
Are SDs significantly different (P < 0.05)?							
ANOVA table							
	SS	DF	MS	F (DFn, DFd)	P value		
Treatment (between columns)	2.165E+14	2	1.083E+14	F (2, 6) = 399.1	P<0.0001		
Residual (within columns)	1.62752E+12	6	2.71253E+11				
Total	2.181E+14	8					
Data summary							
Number of treatments (columns)	3						
Number of values (total)	9						
Multiple Comparisons							
Number of families	1						
Number of comparisons per family	3						
Alpha	0.05						
Tukey's multiple comparisons test							
	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value		
Parental vs. 52K WT	-10399867	-11704642 to -9095092	Yes	****	<0.0001	B-C	
Parental vs. RtoK	9833	-1294942 to 1314608	No	ns	0.9997	B-D	
52K WT vs. RtoK	10409700	9104925 to 11714475	Yes	****	<0.0001	C-D	
Test details							
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q
Parental vs. 52K WT	30133	10430000	-10399867	425247	3	3	34.59
							6

Set 2							
ANOVA summary							
F	30.96						
P value	0.0007						
P value summary	***						
Significant diff. among means (P < 0.05)?	Yes						
R squared	0.9117						
Brown-Forsythe test							
F (DFn, DFd)	1.678 (2, 6)						
P value	0.2638						
P value summary	ns						
Are SDs significantly different (P < 0.05)?	No						
Bartlett's test							
Bartlett's statistic (corrected)							
P value							
P value summary							
Are SDs significantly different (P < 0.05)?							
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value		
Treatment (between columns)	2.649E+16	2	1.324E+16	F (2, 6) = 30.96	P=0.0007		
Residual (within columns)	2.566E+15	6	4.277E+14				
Total	2.905E+16	8					
Data summary							
Number of treatments (columns)	3						
Number of values (total)	9						
Multiple Comparisons							
Number of families	1						
Number of comparisons per family	3						
Alpha	0.05						
Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value		
Parental vs. 52K WT	-115071267	-166884443 to -63258090	Yes	**	0.0012	E-F	
Parental vs. PtoA	21897	-51791280 to 51835073	No	ns	>0.9999	E-G	
52K WT vs. PtoA	115093163	63279987 to 166906340	Yes	**	0.0012	F-G	
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q
Parental vs. 52K WT	28733	115100000	-115071267	16886747	3	3	9.637

Extended Data 2e:

(n) = 3 independent experimental repeats were performed, data pooled, and data corresponding to each photobleached nuclear body plotted. A total of 22 nuclear bodies and 15 uninfected control nuclei were analyzed. Mean (columns) and standard deviation (error bars) are shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Statistical Tests	
Column C	Uninfected
vs.	vs.
Column A	NBs
Unpaired t test	
P value	<0.0001
P value summary	****
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=5.316, df=35
How big is the difference?	
Mean of column A	2.109
Mean of column C	0.9496
Difference between means (C - A) $\pm$ SEM	-1.159 $\pm$ 0.2180
95% confidence interval	-1.602 to -0.7165
R squared (eta squared)	0.4467
F test to compare variances	
F, DFn, Dfd	11.46, 21, 14
P value	<0.0001
P value summary	****
Significantly different (P < 0.05)?	Yes
Data analyzed	
Sample size, column A	22
Sample size, column C	15

Extended Data 2f:

(n) = 3 independent experimental repeats were performed, data pooled, and data corresponding to each photobleached uninfected nucleus plotted. A total of 15 nuclei were analyzed.

Extended Data 2g:

(n) = 3 independent experimental repeats were performed, data pooled, and data corresponding to each photobleached nuclear body plotted. A total of 22 nuclear bodies and 15 uninfected control nuclei were analyzed. Mean (columns) and standard deviation (error bars) are shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Statistical Tests	
Column B	NBs
vs.	vs.
Column A	Uninfected
Unpaired t test	
P value	0.5312
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=0.6325, df=35
How big is the difference?	
Mean of column A	92.79
Mean of column B	91.6
Difference between means (B - A) $\pm$ SEM	-1.183 $\pm$ 1.870
95% confidence interval	-4.979 to 2.613
R squared (eta squared)	0.0113
F test to compare variances	
F, DFn, Dfd	6.894, 21, 14
P value	0.0006
P value summary	***
Significantly different (P < 0.05)?	Yes
Data analyzed	
Sample size, column A	15
Sample size, column B	22

Extended Data 2h:

(n) = 5 fields of view, data pooled, and data corresponding to each cell plotted. These 5 fields of view were captured over the course of a single experiment. However, we note that condensate fusion events could be observed when assessing the samples during all live imaging experiments detailed elsewhere. Numeration of fusion events represents a qualitative demonstration that these events are common, but is not intended to establish a quantitative average.

Fusion events per cell	
Cell	Events
1A	8
2A	8
2B	6
3B	2
4A	7
5A	3
5B	0
5C	5

Extended Data 4c:

((n) = 3 independent experimental repeats (plotted). Mean (Columns) and standard deviation (error bars) shown. A Gaussian distribution was assumed for null hypothesis testing. Equal variance was *not* assumed for null hypothesis testing.

Statistical Tests						
Δ52K diffuse			Δ52K NBs		Δ52K peripheral	
vs.			vs.		vs.	
WT diffuse			WT NBs		WT peripheral	
Unpaired t test with Welch's correction			Unpaired t test with Welch's correction		Unpaired t test with Welch's correction	
P value	0.0008		P value	0.0144	P value	0.4613
P value summary	***		P value summary	*	P value summary	ns
Significantly different (P < 0.05)?	Yes		Significantly different (P < 0.05)?	Yes	Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed		One- or two-tailed P value?	Two-tailed	One- or two-tailed P value?	Two-tailed
Welch-corrected t, df	t=9.106, df=3.974		Welch-corrected t, df	t=8.249, df=2.000	Welch-corrected t, df	t=0.8174, df=3.844
How big is the difference?			How big is the difference?			How big is the difference?
Mean of column A	44.34		Mean of column B	43.54	Mean of column C	12.13
Mean of column D	91.93		Mean of column E	0	Mean of column F	8.075
Difference between means (D - A) ± SEM	47.59 ± 5.226		Difference between means (E - B) ± SEM	-43.54 ± 5.278	Difference between means (F - C) ± SEM	-4.053 ± 4.958
95% confidence interval	33.04 to 62.14		95% confidence interval	-66.25 to -20.83	95% confidence interval	-18.04 to 9.937
R squared (eta squared)	0.9543		R squared (eta squared)	0.9714	R squared (eta squared)	0.1481
F test to compare variances			F test to compare variances			F test to compare variances
F, DFn, Dfd	1.178, 2, 2		F, DFn, Dfd	Infinity, 2, 2	F, DFn, Dfd	1.505, 2, 2
P value	0.9185		P value	<0.0001	P value	0.7984
P value summary	ns		P value summary	****	P value summary	ns
Significantly different (P < 0.05)?	No		Significantly different (P < 0.05)?	Yes	Significantly different (P < 0.05)?	No
Data analyzed			Data analyzed			Data analyzed
Sample size, column A	3		Sample size, column B	3	Sample size, column C	3
Sample size, column D	3		Sample size, column E	3	Sample size, column F	3

Extended Data 5b:

20371 sequences corresponding to the human proteome, and 90 sequences corresponding to the protein phase-separation database were analyzed. Mean (Columns) and standard deviation (error bars) shown.

Extended Data 7b:

(n) = 3 independent experimental repeats were performed, data pooled, and a data point corresponding to each nucleus plotted. Mean (Lines) and standard deviation (error bars) shown. The number of nuclei analyzed for each condition are as follows:

		AdV (hpi)			
	Uninfected	16	22	28	34
Number of nuclei	187	179	187	157	143

A Gaussian distribution and equal variance were *not* assumed for null hypothesis testing.

Statistical tests					
Kruskal-Wallis test					
P value	<0.0001				
Exact or approximate P value?	Approximate				
P value summary	****				
Do the medians vary signif. (P < 0.05)?	Yes				
Number of groups	5				
Kruskal-Wallis statistic	502.6				
Data summary					
Number of treatments (columns)	5				
Number of values (total)	853				
Multiple Comparisons					
Number of families	1				
Number of comparisons per family	4				
Alpha	0.05				
Dunn's multiple comparisons test					
	Mean rank	Significant	Summary	Adjusted P Value	
mock vs. 16	-182.3	Yes	****	<0.0001	A-B
16 vs. 22	-14.78	No	ns	>0.9999	B-C
22 vs. 28	-240.9	Yes	****	<0.0001	C-D
28 vs. 34	-100.9	Yes	**	0.0016	D-E
Test details					
	Mean rank	Mean rank	Mean rank	n1	n2
mock vs. 16	174.6	356.9	-182.3	187	179
16 vs. 22	356.9	371.7	-14.78	179	187
22 vs. 28	371.7	612.6	-240.9	187	157
28 vs. 34	612.6	713.5	-100.9	157	143
Test for normal distribution					
	AdV (hpi)				
Anderson-Darling test	Uninfected	16	22	28	34
A2*	5.568	2.559	2.104	1.419	1.252
P value	<0.0001	<0.0001	<0.0001	0.0011	0.0028
Passed normality test (alpha=0.05)?	No	No	No	No	No
P value summary	****	****	****	**	**
D'Agostino & Pearson test					
K2	19.14	12.37	30.85	23.04	7.161
P value	<0.0001	0.0021	<0.0001	<0.0001	0.0279
Passed normality test (alpha=0.05)?	No	No	No	No	No
P value summary	****	**	****	****	*
Shapiro-Wilk test					
W	0.925	0.9531	0.9414	0.9544	0.97
P value	<0.0001	<0.0001	<0.0001	<0.0001	0.0031
Passed normality test (alpha=0.05)?	No	No	No	No	No
P value summary	****	****	****	****	**
Kolmogorov-Smirnov test					
KS distance	0.1587	0.1103	0.07132	0.08243	0.07933
P value	<0.0001	<0.0001	0.0216	0.0111	0.028
Passed normality test (alpha=0.05)?	No	No	No	No	No
P value summary	****	****	*	*	*
Number of values	187	179	187	157	143

Extended Data 7j:

(n) = 3 independent experimental repeats (plotted). Mean (Columns) and standard deviation (error bars) shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Statistical Tests								
ANOVA summary								
F	110.3							
P value	<0.0001							
P value summary	****							
Significant diff. among means (P < 0.05)?	Yes							
R squared	0.9787							
Brown-Forsythe test								
F (DFn, DFd)	0.9222 (5, 12)							
P value	0.4995							
P value summary	ns							
Are SDs significantly different (P < 0.05)?	No							
Bartlett's test								
Bartlett's statistic (corrected)								
P value								
P value summary								
Are SDs significantly different (P < 0.05)?								
ANOVA table								
	SS	DF	MS	F (DFn, Df	P value			
Treatment (between columns)	83224293	5	16644859	F (5, 12) =	P<0.0001			
Residual (within columns)	1811249	12	150937					
Total	85035542	17						
Data summary								
Number of treatments (columns)	6							
Number of values (total)	18							
Multiple Comparisons								
Number of families								
Number of comparisons per family	5							
Alpha	0.05							
Šidák's multiple comparisons test								
	Mean Diff.	95.00% CI	Below thre	Summary	Adjusted P Value			
No DNA vs. 100 pM	-2176	-3141 to -1	Yes	****	<0.0001	A-B		
100 pM vs. 200 pM	-2175	-3140 to -1	Yes	****	<0.0001	B-C		
200 pM vs. 400 pM	457.7	-507.8 to 1	No	ns	0.6171	C-D		
400 pM vs. 800 pM	4680	3714 to 56	Yes	****	<0.0001	D-E		
800 pM vs. 1600 pM	156.7	-808.8 to 1	No	ns	0.9931	E-F		
Test details								
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	t	DF
No DNA vs. 100 pM	1054	3229	-2176	317.2	3	3	6.859	12
100 pM vs. 200 pM	3229	5404	-2175	317.2	3	3	6.856	12
200 pM vs. 400 pM	5404	4946	457.7	317.2	3	3	1.443	12
400 pM vs. 800 pM	4946	266.7	4680	317.2	3	3	14.75	12
800 pM vs. 1600 pM	266.7	110	156.7	317.2	3	3	0.4939	12

Extended Data 7k:

(n) = 3 independent experimental repeats were performed, data pooled, and a data point corresponding to each condensate plotted. Median (central line), Interquartile interval (box), and 5-95 percentiles (whiskers) are shown. The number of condensates analyzed for each condition are as follows:

	No DNA	200 pM	400 pM	800 pM	1600 pM	3200 pM
Number of condensates	3161	9688	16207	14839	800	330

A Gaussian distribution and equal variance were *not* assumed for null hypothesis testing.

Statistical tests								
Kruskal-Wallis test								
P value		<0.0001						
Exact or approximate P value?		Approximate						
P value summary		****						
Do the medians vary signif. (P < 0.05)?	Yes							
Number of groups		6						
Kruskal-Wallis statistic		24900						
Data summary								
Number of treatments (columns)		6						
Number of values (total)		45025						
Multiple Comparisons								
Number of families		1						
Number of comparisons per family		15						
Alpha		0.05						
Dunn's multiple comparisons test								
	Mean rank	df	Significant	Summary	Adjusted P Value			
No DNA vs. 100 pM	1971	Yes	****		<0.0001	A-B		
No DNA vs. 200 pM	18334	Yes	****		<0.0001	A-C		
No DNA vs. 400 pM	24812	Yes	****		<0.0001	A-D		
No DNA vs. 800 pM	30781	Yes	****		<0.0001	A-E		
No DNA vs. 1600 pM	31118	Yes	****		<0.0001	A-F		
100 pM vs. 200 pM	16362	Yes	****		<0.0001	B-C		
100 pM vs. 400 pM	22840	Yes	****		<0.0001	B-D		
100 pM vs. 800 pM	28809	Yes	****		<0.0001	B-E		
100 pM vs. 1600 pM	29146	Yes	****		<0.0001	B-F		
200 pM vs. 400 pM	6478	Yes	****		<0.0001	C-D		
200 pM vs. 800 pM	12447	Yes	****		<0.0001	C-E		
200 pM vs. 1600 pM	12784	Yes	****		<0.0001	C-F		
400 pM vs. 800 pM	5969	Yes	****		<0.0001	D-E		
400 pM vs. 1600 pM	6306	Yes	****		<0.0001	D-F		
800 pM vs. 1600 pM	337	No	ns		>0.9999	E-F		
Test details								
	Mean rank	1	Mean rank	Mean rank diff.	n1	n2	Z	
No DNA vs. 100 pM	38489		36517		1971	3161	9688	7.405
No DNA vs. 200 pM	38489		20155		18334	3161	16207	72.55
No DNA vs. 400 pM	38489		13677		24812	3161	14839	97.45
No DNA vs. 800 pM	38489		7708		30781	3161	800	59.84
No DNA vs. 1600 pM	38489		7371		31118	3161	330	41.39
100 pM vs. 200 pM	36517		20155		16362	9688	16207	98.03
100 pM vs. 400 pM	36517		13677		22840	9688	14839	134.5
100 pM vs. 800 pM	36517		7708		28809	9688	800	60.25
100 pM vs. 1600 pM	36517		7371		29146	9688	330	40.06
200 pM vs. 400 pM	20155		13677		6478	16207	14839	43.87
200 pM vs. 800 pM	20155		7708		12447	16207	800	26.44
200 pM vs. 1600 pM	20155		7371		12784	16207	330	17.69
400 pM vs. 800 pM	13677		7708		5969	14839	800	12.65
400 pM vs. 1600 pM	13677		7371		6306	14839	330	8.717
800 pM vs. 1600 pM	7708		7371		337	800	330	0.3963
Test for normal distribution								
Anderson-Darling test								
A2*	No DNA	200 pM	400 pM	800 pM	1600 pM	3200 pM		
	27.81	170.1	Invalid input data	Invalid input	Invalid input	Invalid input	3.448	
P value	<0.0001	<0.0001					<0.0001	
Passed normality test (alpha=0.05)?	No	No					No	
P value summary	****	****					****	
D'Agostino & Pearson test								
K2	330.3	2826	5943	2842	947.4	161.9		
P value	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Passed normality test (alpha=0.05)?	No	No	No	No	No	No	No	
P value summary	****	****	****	****	****	****	****	
Shapiro-Wilk test								
W	0.9598	N too large	N too large	N too large	0.6387	0.8903		
P value	<0.0001				<0.0001	<0.0001		
Passed normality test (alpha=0.05)?	No				No	No		
P value summary	****				****	****		
Kolmogorov-Smirnov test								
KS distance	0.06545	0.09804	0.03778	0.05046	0.1739	0.08174		
P value	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Passed normality test (alpha=0.05)?	No	No	No	No	No	No		
P value summary	****	****	****	****	****	****		
Number of condensates	3161	9688	16207	14839	800	330		

Extended Data 9b:

(n) = 3 independent experimental repeats (plotted). Mean (Columns) and standard deviation (error bars) shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Statistical Tests								
ANOVA summary								
F	12.85							
P value	0.0002							
P value summary	***							
Significant diff. among means (P < 0.05)?	Yes							
R squared	0.8426							
Brown-Forsythe test								
F (DFn, DFd)	0.9929 (5, 12)							
P value	0.4618							
P value summary	ns							
Are SDs significantly different (P < 0.05)?	No							
Bartlett's test								
Bartlett's statistic (corrected)								
P value								
P value summary								
Are SDs significantly different (P < 0.05)?								
ANOVA table								
	SS	DF	MS	F (DFn, DFd)	P value			
Treatment (between columns)	7.334E+14	5	1.467E+14	F (5, 12) = 12.85	P=0.0002			
Residual (within columns)	1.37E+14	12	1.14179E+13					
Total	8.704E+14	17						
Data summary								
Number of treatments (columns)	6							
Number of values (total)	18							
Multiple Comparisons								
Number of families	1							
Number of comparisons per family	5							
Alpha	0.05							
Dunnett's multiple comparisons test								
	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value	B-?		
Negative vs. 52K WT	-15723707	-23728362 to -7719051	Yes	***	0.0004	C	52K WT	
Negative vs. QtoG	-10627040	-18631696 to -2622384	Yes	**	0.0093	D	QtoG	
Negative vs. PtoA	3847	-8000809 to 8008502	No	ns	>0.9999	E	PtoA	
Negative vs. Scr	1403	-8003252 to 8006059	No	ns	>0.9999	F	Scr	
Negative vs. RtoK	-2307	-8006962 to 8002349	No	ns	>0.9999	G	RtoK	
Test details								
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
Negative vs. 52K WT	9627	15733333	-15723707	2758974	3	3	5.699	12
Negative vs. QtoG	9627	10636667	-10627040	2758974	3	3	3.852	12
Negative vs. PtoA	9627	5780	3847	2758974	3	3	0.001394	12
Negative vs. Scr	9627	8223	1403	2758974	3	3	0.0005086	12
Negative vs. RtoK	9627	11933	-2307	2758974	3	3	0.0008361	12

Extended Data 9d:

(n) = 3 independent experimental repeats (plotted). Mean (Columns) and standard deviation (error bars) shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Statistical Tests								
ANOVA summary								
F	56.62							
P value	<0.0001							
P value summary	****							
Significant diff. among means (P < 0.05)?	Yes							
R squared	0.955							
Brown-Forsythe test								
F (DFn, DFd)	0.9896 (3, 8)							
P value	0.4452							
P value summary	ns							
Are SDs significantly different (P < 0.05)?	No							
Bartlett's test								
Bartlett's statistic (corrected)								
P value								
P value summary								
Are SDs significantly different (P < 0.05)?								
ANOVA table								
	SS	DF	MS	F (DFn, DFd)	P value			
Treatment (between columns)	7425	3	2475	F (3, 8) = 56.62	P<0.0001			
Residual (within columns)	349.7	8	43.71					
Total	7775	11						
Data summary								
Number of treatments (columns)	4							
Number of values (total)	12							
Multiple Comparisons								
Number of families	1							
Number of comparisons per family	3							
Alpha	0.05							
Šídák's multiple comparisons test								
	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value			
52K Low vs. RtoK	20.66	4.446 to 36.88	Yes	*	0.015	A-B		
52K Low vs. 52K High	-36.98	-53.20 to -20.76	Yes	***	0.0004	A-C		
52K High vs. PtoA	-0.4873	-16.71 to 15.73	No	ns	0.9997	C-D		
Test details								
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	t	DF
52K Low vs. RtoK	20.66	0	20.66	5.398	3	3	3.828	8
52K Low vs. 52K High	20.66	57.64	-36.98	5.398	3	3	6.85	8
52K High vs. PtoA	57.64	58.13	-0.4873	5.398	3	3	0.09028	8

Extended Data 9i:

(n) = 3 independent experimental repeats (plotted). Mean (Columns) and standard deviation (error bars) shown. A Gaussian distribution and equal variance were assumed for null hypothesis testing.

Statistical Tests								
ANOVA summary								
F	76.61							
P value	<0.0001							
P value summary	****							
Significant diff. among means (P < 0.05)?	Yes							
R squared	0.9664							
Brown-Forsythe test								
F (DFn, DFd)	2.469 (3, 8)							
P value	0.1365							
P value summary	ns							
Are SDs significantly different (P < 0.05)?	No							
Bartlett's test								
Bartlett's statistic (corrected)								
P value								
P value summary								
Are SDs significantly different (P < 0.05)?								
ANOVA table								
	SS							
Treatment (between columns)	5.374E+17							
Residual (within columns)	1.871E+16							
Total	5.561E+17							
Data summary								
Number of treatments (columns)	4							
Number of values (total)	12							
Multiple Comparisons								
Number of families	1							
Number of comparisons per family	6							
Alpha	0.05							
Tukey's multiple comparisons test								
	Mean Diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value			
WT Ad5 vs. Parental	514088374	387646118 to 640530629	Yes	****	<0.0001	A-B		
WT Ad5 vs. FL	279957905	153515650 to 406400160	Yes	***	0.0005	A-C		
WT Ad5 vs. dIDR	514085077	387642822 to 640527332	Yes	****	<0.0001	A-D		
Parental vs. FL	-234130468	-360572724 to -107688213	Yes	**	0.0016	B-C		
Parental vs. dIDR	-3296	-126445552 to 126438959	No	ns	>0.9999	B-D		
FL vs. dIDR	234127172	107684917 to 360569427	Yes	**	0.0016	C-D		
Test details								
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
WT Ad5 vs. Parental	514208456	120082	514088374	39484184	3	3	18.41	8
WT Ad5 vs. FL	514208456	234250551	279957905	39484184	3	3	10.03	8
WT Ad5 vs. dIDR	514208456	123379	514085077	39484184	3	3	18.41	8
Parental vs. FL	120082	234250551	-234130468	39484184	3	3	8.386	8
Parental vs. dIDR	120082	123379	-3296	39484184	3	3	0.0001181	8
FL vs. dIDR	234250551	123379	234127172	39484184	3	3	8.386	8