

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	StDev	MEAN	StDev			MEAN	StDev			MEAN	StDev	MEAN	StDev			MEAN	StDev			MEAN	StDev	MEAN	StDev				
Cells only	CONTROLS (Kinase & Additional gene set)	0.98	0.18			1.99	0.60	Cells only	CONTROLS (Kinase & Additional gene set)	1.10	0.57			5.98	1.52	Cells only	CONTROLS (Kinase & Additional gene set)	1.06	0.06			0.64	0.05						
siNeg		1.00	0.10			2.50	0.77	siNeg		1.00	0.22			7.10	1.59	siNeg		1.00	0.07			0.47	0.05						
siCASP8		1.03	0.17			1.39	0.39	siCASP8		1.13	0.30			1.56	0.37	siCASP8		0.98	0.07			1.00	0.08						
siFLIP		1.06	0.21			3.03	0.84	siFLIP		1.39	0.34			10.58	2.08	siFLIP		0.93	0.05			0.26	0.03						
siCelldeath		1.42	0.35			2.69	0.73	siCelldeath		4.73	1.13			18.81	4.53	siCelldeath		0.15	0.06			0.04	0.04						
Cells only	CONTROLS (Phosphatase set)	NA	NA	NA	NA	NA	NA	Cells only	CONTROLS (Phosphatase set)	1.03	0.29			4.84	1.20	Cells only	CONTROLS (Phosphatase set)	1.09	0.11			0.85	0.16						
siNeg		NA	NA	NA	NA	NA	NA	siNeg		1.00	0.21			5.37	1.30	siNeg		1.00	0.06			0.56	0.13						
siCASP8		NA	NA	NA	NA	NA	NA	siCASP8		1.14	0.21			2.38	0.64	siCASP8		1.06	0.10			0.95	0.10						
siFLIP		NA	NA	NA	NA	NA	NA	siFLIP		1.23	0.28			7.54	1.07	siFLIP		1.06	0.17			0.38	0.07						
siCelldeath		NA	NA	NA	NA	NA	NA	siCelldeath		3.91	0.99			11.50	2.18	siCelldeath		0.57	0.17			0.18	0.11						
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
AAK1	Kinase	0.51	1.09	1.12	1.11	1.11	2.57	2.68	3.46	AAK1	Kinase	0.82	0.89	1.35	1.25	5.88	7.89	9.74	12.76	AAK1	Kinase	0.88	0.93	0.95	0.97	0.50	0.50	0.55	0.44
AATK	Kinase	0.64	1.04	0.92	0.96	1.28	2.52	2.73	2.75	AATK	Kinase	0.80	1.03	1.19	1.25	11.31	11.75	8.01	10.39	AATK	Kinase	0.85	0.77	0.85	0.86	0.16	0.40	0.54	0.28
ABL1	Kinase	NA	1.06	0.92	1.05	0.93	3.18	1.90	2.64	ABL1	Kinase	1.00	1.25	0.80	0.90	7.25	11.83	6.68	5.11	ABL1	Kinase	1.02	0.83	1.13	1.05	0.49	0.36	0.55	0.55
ABL2	Kinase	NA	0.90	0.89	1.16	1.14	2.65	2.54	2.75	ABL2	Kinase	1.10	1.15	0.82	1.34	4.46	7.07	7.26	8.62	ABL2	Kinase	0.90	1.01	0.87	0.88	0.57	0.54	0.42	0.47
ACVR1	Kinase	1.22	1.10	1.08	1.03	1.31	2.84	2.57	2.98	ACVR1	Kinase	0.92	1.01	0.79	1.06	3.27	6.06	5.76	6.96	ACVR1	Kinase	1.05	0.95	0.92	0.98	0.82	0.51	0.65	0.65
ACVR1B	Kinase	1.00	1.05	1.03	1.07	1.58	3.21	2.12	2.89	ACVR1B	Kinase	0.91	1.17	1.02	1.37	8.06	14.15	2.86	7.43	ACVR1B	Kinase	0.89	1.00	0.97	1.01	0.37	0.43	0.95	0.60
ACVR2	Kinase	0.89	0.82	1.01	1.07	1.28	2.85	2.54	2.82	ACVR2	Kinase	0.71	1.23	1.73	1.02	5.52	13.72	10.70	7.54	ACVR2	Kinase	0.88	0.97	0.96	1.10	0.44	0.42	0.39	0.56
ACVR2B	Kinase	0.70	0.97	1.09	1.01	1.43	2.96	2.52	3.69	ACVR2B	Kinase	0.66	2.60	1.26	1.16	4.28	14.69	15.28	9.95	ACVR2B	Kinase	0.91	0.93	0.92	0.89	0.50	0.38	0.19	0.33
ACVRL1	Kinase	0.57	0.98	1.07	0.96	1.50	3.24	1.85	3.03	ACVRL1	Kinase	0.76	1.44	0.92	0.75	4.29	10.09	4.41	12.08	ACVRL1	Kinase	0.94	1.02	0.92	0.95	0.58	0.65	0.63	0.37
ADCK1	Kinase	0.86	1.05	1.15	1.12	1.07	3.81	2.99	3.91	ADCK1	Kinase	0.62	0.93	0.96	1.32	6.90	8.02	10.97	14.95	ADCK1	Kinase	0.66	0.95	0.72	1.02	0.16	0.37	0.50	0.33
ADCK2	Kinase	0.60	1.30	1.04	1.02	1.06	2.81	2.51	2.89	ADCK2	Kinase	1.37	0.80	1.41	1.39	5.44	6.90	7.93	9.60	ADCK2	Kinase	1.03	0.90	0.95	1.00	0.59	0.46	0.64	0.54
ADCK4	Kinase	0.53	1.33	1.08	1.09	1.21	2.28	2.60	2.90	ADCK4	Kinase	0.96	1.11	1.46	1.04	9.60	9.14	10.00	12.46	ADCK4	Kinase	0.94	0.95	0.96	0.88	0.38	0.45	0.59	0.38
ADCK5	Kinase	0.81	0.96	1.03	1.10	2.30	2.84	3.60	3.70	ADCK5	Kinase	1.50	1.17	1.20	1.37	17.65	9.49	12.64	18.49	ADCK5	Kinase	0.73	0.79	1.03	0.75	0.23	0.41	0.51	0.12
ADK	Kinase	NA	1.11	0.98	1.08	1.60	3.75	2.58	2.47	ADK	Kinase	0.97	1.38	1.12	1.47	6.48	7.04	6.98	8.11	ADK	Kinase	0.92	1.00	0.92	0.88	0.45	0.62	0.53	0.47
ADRBK1	Kinase	NA	1.09	0.87	0.93	0.98	2.80	2.13	3.11	ADRBK1	Kinase	1.22	2.06	0.93	0.84	5.37	8.32	5.59	6.05	ADRBK1	Kinase	0.88	0.95	0.73	1.02	0.40	0.32	0.44	0.38
ADRBK2	Kinase	NA	0.99	1.00	0.95	1.34	2.03	2.83	3.01	ADRBK2	Kinase	0.84	1.58	1.65	1.70	4.59	11.45	10.37	13.04	ADRBK2	Kinase	0.91	0.88	0.69	1.06	0.44	0.43	0.40	0.39
AK1	Kinase	1.50	0.93	1.14	1.14	1.45	2.17	2.34	3.23	AK1	Kinase	1.19	1.54	1.31	0.74	9.96	9.08	5.98	5.91	AK1	Kinase	0.93	0.90	0.56	0.84	0.48	0.41	0.49	0.63
AK2	Kinase	1.10	0.89	1.04	1.11	0.96	1.90	2.49	3.72	AK2	Kinase	0.90	1.33	0.95	1.74	6.35	8.70	7.69	19.79	AK2	Kinase	0.94	1.08	0.66	0.89	0.49	0.72	0.64	0.31
AK3	Kinase	0.93	1.00	0.98	1.14	2.15	3.28	2.19	3.08	AK3	Kinase	0.73	1.40	1.02	1.11	7.47	9.84	7.89	6.75	AK3	Kinase	0.96	0.86	0.92	0.96	0.44	0.48	0.49	0.57
AK3L1	Kinase	0.70	1.37	1.08	1.11	1.06	3.07	4.27	3.97	AK3L1	Kinase	0.95	0.80	1.02	1.65	5.95	5.90	12.23	10.98	AK3L1	Kinase	0.81	0.97	0.89	0.83	0.52	0.63	0.25	0.37
AK5	Kinase	0.88	1.18	1.02	1.10	0.98	3.46	3.70	3.25	AK5	Kinase	0.75	1.25	0.92	1.14	7.76	19.42	13.67	6.03	AK5	Kinase	0.87	0.95	0.68	0.90	0.35	0.13	0.33	0.67
AK7	Kinase	NA	1.14	0.95	1.07	1.62	2.68	2.59	2.89	AK7	Kinase	1.19	1.18	1.54	1.01	9.35	6.99	11.71	8.52	AK7	Kinase	0.92	0.97	0.87	0.93	0.53	0.62	0.45	0.48
AKAP1	Kinase	0.58	1.16	1.19	1.18	1.09	2.95	2.56	3.30	AKAP1	Kinase	1.03	1.05	1.22	1.13	7.28	10.93	6.47	15.39	AKAP1	Kinase	1.06	0.97	0.99	0.90	0.57	0.41	0.79	0.37
AKAP10	Kinase	0.48	2.27	1.17	1.38	1.25	3.26	3.14	3.42	AKAP10	Kinase	0.89	1.23	1.69	1.89	6.43	7.41	8.21	7.28	AKAP10	Kinase	0.88	1.05	1.08	0.94	0.39	0.58	0.69	0.61
AKAP11	Kinase	0.41	1.26	0.98	1.11	0.92	2.23	2.52	2.97	AKAP11	Kinase	0.94	1.05	1.20	1.36	5.08	11.15	6.25	10.47	AKAP11	Kinase	0.97	1.00	1.08	1.03	0.62	0.53	0.74	0.55
AKAP12	Kinase	0.79	1.08	1.12	1.08	0.95	2.07	2.57	3.35	AKAP12	Kinase	0.86	1.14	1.51	1.19	6.64	6.26	10.92	7.21	AKAP12	Kinase	0.91	0.93	0.76	0.93	0.48	0.60	0.45	0.51
AKAP13	Kinase	0.49	1.20	1.01	1.05	1.09	2.24	3.51	3.39	AKAP13	Kinase	0.79	0.91	1.70	1.42	7.81	6.76	17.08	11.04	AKAP13	Kinase	0.76	0.97	1.02	0.97	0.28	0.62	0.24	0.48
AKAP14	Kinase	0.88	0.93	1.05	1.01	1.99	3.03	2.68	2.56	AKAP14	Kinase	2.04	1.03	1.20	1.30	9.23	10.69	11.94	9.45	AKAP14	Kinase	0.95	0.78	1.01	0.96	0.40	0.28	0.60	0.51
AKAP3	Kinase	NA	1.46	1.02	0.98	1.01	2.13	2.04	2.58	AKAP3	Kinase	0.83	1.04	1.25	1.20	7.74	6.65	6.72	11.94	AKAP3	Kinase	0.98	1.14	1.19	1.06	0.30	0.61	0.69	0.36
AKAP4	Kinase	0.69	1.14	1.14	1.07	1.01	3.01	2.95	3.52	AKAP4	Kinase	0.75	0.77	1.03															

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	STDev	MEAN	STDev			MEAN	STDev			MEAN	STDev	MEAN	STDev			MEAN	STDev			MEAN	STDev	MEAN	STDev				
Cells only	CONTROLS (Kinase & Additional gene set)	0.98	0.18	1.99	0.60	Cells only		CONTROLS (Kinase & Additional gene set)	1.10	0.57	5.98	1.52	Cells only		CONTROLS (Kinase & Additional gene set)	1.06	0.06	0.64	0.05			1.00	0.07	0.47	0.05				
siNeg		1.00	0.10	2.50	0.77	siNeg			1.00	0.22	7.10	1.59	siNeg			1.00	0.07	0.47	0.05			1.00	0.07	0.47	0.05				
siCASP8		1.03	0.17	1.39	0.39	siCASP8			1.13	0.30	1.56	0.37	siCASP8			0.98	0.07	1.00	0.08			0.98	0.07	1.00	0.08				
siFLIP		1.06	0.21	3.03	0.84	siFLIP			1.39	0.34	10.58	2.08	siFLIP			0.93	0.05	0.26	0.03			0.93	0.05	0.26	0.03				
siCelldeath		1.42	0.35	2.69	0.73	siCelldeath			4.73	1.13	18.81	4.53	siCelldeath			0.15	0.06	0.04	0.04			0.15	0.06	0.04	0.04				
Cells only	CONTROLS (Phosphatase set)	NA	NA	NA	NA	Cells only		CONTROLS (Phosphatase set)	1.03	0.29	4.84	1.20	Cells only		CONTROLS (Phosphatase set)	1.09	0.11	0.65	0.16			1.00	0.06	0.56	0.13				
siNeg		NA	NA	NA	NA	siNeg			1.00	0.21	5.37	1.30	siNeg			1.00	0.06	0.56	0.13			1.00	0.06	0.56	0.13				
siCASP8		NA	NA	NA	NA	siCASP8			1.14	0.21	2.38	0.64	siCASP8			1.06	0.10	0.95	0.10			1.06	0.10	0.95	0.10				
siFLIP		NA	NA	NA	NA	siFLIP			1.23	0.28	7.54	1.07	siFLIP			1.06	0.17	0.38	0.07			1.06	0.17	0.38	0.07				
siCelldeath		NA	NA	NA	NA	siCelldeath			3.91	0.99	11.50	2.18	siCelldeath			0.57	0.17	0.18	0.11			0.57	0.17	0.18	0.11				
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
CALM3	Kinase	29.15	1.07	1.07	1.04	1.12	2.09	3.32	4.20	CALM3	Kinase	0.89	1.26	1.28	1.11	5.41	11.47	16.77	11.00	CALM3	Kinase	1.04	1.10	0.66	1.02	0.41	0.47	0.37	0.42
CAMK1	Kinase	0.61	2.49	1.42	1.54	1.13	2.69	2.27	3.50	CAMK1	Kinase	0.35	1.23	1.36	0.99	6.74	7.91	7.78	4.13	CAMK1	Kinase	0.96	0.90	0.91	0.95	0.41	0.37	0.50	0.70
CAMK1D	Kinase	0.07	1.06	1.01	1.13	0.88	2.49	2.49	3.17	CAMK1D	Kinase	2.40	1.10	1.19	1.48	4.78	7.93	4.92	14.42	CAMK1D	Kinase	0.94	0.99	1.13	0.79	0.65	0.43	0.85	0.20
CAMK1G	Kinase	0.68	1.22	1.04	1.13	1.05	3.36	2.87	2.91	CAMK1G	Kinase	0.80	1.24	0.93	1.57	9.66	10.53	11.37	5.90	CAMK1G	Kinase	0.72	0.67	0.82	0.65	0.27	0.27	0.40	0.24
CAMK2A	Kinase	1.40	1.05	1.08	1.03	1.86	2.38	2.73	2.91	CAMK2A	Kinase	1.07	1.21	1.16	1.02	8.61	12.16	9.10	9.70	CAMK2A	Kinase	0.91	1.04	0.81	0.93	0.30	0.48	0.42	0.43
CAMK2B	Kinase	0.99	0.81	1.08	1.03	1.38	2.22	2.49	3.00	CAMK2B	Kinase	0.96	1.35	1.04	1.18	9.33	10.02	10.66	7.55	CAMK2B	Kinase	0.76	0.76	0.65	0.88	0.34	0.22	0.34	0.50
CAMK2D	Kinase	0.95	0.98	1.07	1.06	1.36	2.36	3.13	3.05	CAMK2D	Kinase	0.76	1.49	1.70	1.14	6.47	10.81	12.20	10.24	CAMK2D	Kinase	0.95	1.06	0.74	0.95	0.40	0.46	0.25	0.45
CAMK2G	Kinase	0.81	0.96	1.05	1.09	1.35	1.85	2.92	3.36	CAMK2G	Kinase	1.17	1.27	1.06	1.31	7.00	11.47	14.31	12.56	CAMK2G	Kinase	0.99	1.07	0.86	0.86	0.57	0.53	0.27	0.54
CAMK4	Kinase	2.13	1.03	1.10	1.16	1.22	2.97	3.99	3.01	CAMK4	Kinase	1.02	1.17	0.97	1.24	4.89	10.92	9.94	6.02	CAMK4	Kinase	0.95	1.00	0.74	0.95	0.66	0.42	0.28	0.68
CaMKIIalpha	Kinase	0.56	1.06	1.04	1.03	1.18	1.97	3.33	3.83	CaMKIIalpha	Kinase	0.80	1.01	1.37	1.11	6.54	8.88	25.60	13.95	CaMKIIalpha	Kinase	0.96	0.97	0.86	0.99	0.47	0.48	0.13	0.28
CAMKK1	Kinase	0.47	1.35	1.14	1.02	1.19	2.90	3.24	3.24	CAMKK1	Kinase	0.87	1.08	1.38	1.22	9.82	4.89	12.34	5.52	CAMKK1	Kinase	0.87	0.98	1.01	0.77	0.29	0.68	0.54	0.46
CAMKK2	Kinase	0.63	1.31	1.06	1.21	1.00	2.95	3.09	2.76	CAMKK2	Kinase	0.78	0.85	1.03	1.39	4.52	9.76	14.33	12.26	CAMKK2	Kinase	1.03	0.57	0.92	0.85	0.62	0.38	0.45	0.49
CARL	Kinase	0.73	1.16	1.03	1.12	1.25	2.66	2.67	3.38	CARL	Kinase	0.77	0.97	1.25	1.08	7.43	8.67	8.55	7.46	CARL	Kinase	0.95	0.97	0.95	0.96	0.58	0.45	0.49	0.57
CASK	Kinase	0.49	1.39	1.10	1.05	1.07	2.66	2.87	2.53	CASK	Kinase	0.87	1.56	0.97	1.01	9.16	13.48	4.41	4.86	CASK	Kinase	0.91	0.87	0.83	0.88	0.25	0.18	0.68	0.63
CCRK	Kinase	0.49	1.14	1.11	1.13	0.98	3.54	2.36	2.86	CCRK	Kinase	0.66	5.14	1.13	0.95	4.15	7.99	6.41	6.43	CCRK	Kinase	0.87	0.61	0.78	1.01	0.30	0.16	0.46	0.59
CDC2	Kinase	NA	1.33	1.01	1.29	1.41	2.37	2.55	3.06	CDC2	Kinase	1.11	1.83	1.11	1.20	6.31	9.96	2.69	12.75	CDC2	Kinase	0.88	0.90	0.56	0.92	0.39	0.46	0.54	0.35
CDC2L1	Kinase	NA	0.96	0.93	0.93	1.02	1.86	2.22	2.04	CDC2L1	Kinase	0.98	1.30	0.99	0.93	7.37	11.14	7.82	5.81	CDC2L1	Kinase	1.06	0.99	0.91	0.80	0.15	0.19	0.66	0.27
CDC2L5	Kinase	NA	1.42	0.96	0.91	0.91	1.69	1.95	2.07	CDC2L5	Kinase	1.09	1.21	1.33	1.66	6.83	15.57	6.41	9.51	CDC2L5	Kinase	1.02	1.03	1.01	1.16	0.24	0.73	0.50	0.47
CDC2L6	Kinase	0.64	1.07	1.04	1.08	1.02	2.01	3.00	2.83	CDC2L6	Kinase	0.93	1.21	1.85	1.17	4.81	7.26	15.55	9.19	CDC2L6	Kinase	1.01	0.99	0.98	0.94	0.53	0.52	0.38	0.55
CDC42BPB	Kinase	0.60	4.46	1.12	1.27	1.26	3.36	2.67	4.00	CDC42BPB	Kinase	0.92	1.55	0.96	1.60	6.31	9.18	8.75	18.56	CDC42BPB	Kinase	0.98	0.81	0.87	0.89	0.55	0.21	0.53	0.20
CDC42BPB	Kinase	1.01	1.05	1.06	1.12	1.10	2.11	3.12	3.77	CDC42BPB	Kinase	0.88	0.81	1.30	1.40	5.71	6.04	12.23	11.48	CDC42BPB	Kinase	1.01	0.95	0.75	0.92	0.54	0.56	0.40	0.35
CDC42BPG	Kinase	0.50	1.03	0.99	1.07	1.11	3.04	2.35	2.88	CDC42BPG	Kinase	1.01	1.01	0.84	1.03	7.72	8.23	11.10	6.40	CDC42BPG	Kinase	0.94	0.90	0.84	0.94	0.33	0.25	0.46	0.62
CDC42SE2	Kinase	NA	1.04	1.02	1.05	0.85	2.11	2.72	2.49	CDC42SE2	Kinase	0.92	0.80	1.24	1.15	7.69	3.81	10.60	4.12	CDC42SE2	Kinase	0.97	0.95	1.00	0.87	0.46	0.69	0.26	0.62
CDK10	Kinase	NA	1.48	1.01	0.98	1.26	2.37	2.81	3.05	CDK10	Kinase	1.25	0.85	1.35	0.98	18.81	7.31	9.31	5.98	CDK10	Kinase	1.03	1.10	1.17	1.05	0.18	0.68	0.67	0.73
CDK2	Kinase	NA	0.84	1.10	0.99	1.16	1.95	2.95	2.81	CDK2	Kinase	1.12	1.30	1.57	1.27	5.94	18.37	19.82	6.73	CDK2	Kinase	1.06	1.01	0.66	0.77	0.53	0.47	0.21	0.55
CDK3	Kinase	1.97	1.00	1.08	1.05	1.27	3.01	2.73	3.10	CDK3	Kinase	0.90	1.63	1.07	1.26	4.39	15.32	5.57	10.41	CDK3	Kinase	0.87	0.85	0.83	0.77	0.51	0.37	0.70	0.37
CDK4	Kinase	1.45	1.02	0.93	0.98	1.02	2.74	2.42	2.46	CDK4	Kinase	0.81	1.37	0.94	0.92	3.09	8.93	10.17	8.33	CDK4	Kinase	0.82	0.79	0.98	0.86	0.71	0.24	0.44	0.48
CDK5	Kinase	1.00	0.98	1.16	1.06	1.41	2.26	3.46	2.66	CDK5	Kinase	1.23	1.39	2.36	1.29	6.70	11.13	18.26	7.89	CDK5	Kinase	0.73	1.04	0.73	0.92	0.24	0.54	0.18	0.55
CDK5R1	Kinase	NA	1.30	1.01	1.02	1.13	2.39	2.44	2.82	CDK5R1	Kinase	1.20	1.33	1.60	1.07	7.42	6.												

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)											
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)					
		MEAN	STDev			MEAN	STDev					MEAN	STDev			MEAN	STDev					MEAN	STDev			MEAN	STDev				
Cells only		0.98	0.18			1.99	0.60			Cells only		1.10	0.57			5.98	1.52			Cells only		1.06	0.06			0.64	0.05				
siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.10			2.50	0.77			siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.22			7.10	1.59			siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.07			0.47	0.05				
siCASP8		1.03	0.17			1.39	0.39			siCASP8		1.13	0.30			1.56	0.37			siCASP8		0.98	0.07			1.00	0.08				
siFLIP		1.06	0.21			3.03	0.84			siFLIP		1.39	0.34			10.58	2.08			siFLIP		0.93	0.05			0.26	0.03				
siCelldeath		1.42	0.35			2.69	0.73			siCelldeath		4.73	1.13			18.81	4.53			siCelldeath		0.15	0.06			0.04	0.04				
Cells only	CONTROLS (Phosphatase set)	NA	NA			NA	NA			Cells only	CONTROLS (Phosphatase set)	1.03	0.29			4.84	1.20			Cells only	CONTROLS (Phosphatase set)	1.09	0.11			0.65	0.16				
siNeg		NA	NA			NA	NA			siNeg		1.00	0.21			5.37	1.30			siNeg		1.00	0.06			0.56	0.13				
siCASP8		NA	NA			NA	NA			siCASP8		1.14	0.21			2.38	0.64			siCASP8		1.06	0.10			0.95	0.10				
siFLIP		NA	NA			NA	NA			siFLIP		1.23	0.28			7.54	1.07			siFLIP		1.06	0.17			0.38	0.07				
siCelldeath		NA	NA			NA	NA			siCelldeath		3.91	0.99			11.50	2.18			siCelldeath		0.57	0.17			0.18	0.11				
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA D
CSNK1G1	Kinase	0.58	0.98	1.21	1.04	1.60	3.34	3.27	4.07	CSNK1G1	Kinase	0.71	1.26	0.95	1.68	8.04	12.03	7.96	15.06	CSNK1G1	Kinase	0.88	0.83	0.81	0.85	0.34	0.19	0.53	0.28		
CSNK1G2	Kinase	0.90	1.00	0.96	1.12	1.25	3.18	2.78	3.58	CSNK1G2	Kinase	1.08	1.75	1.17	1.13	5.97	10.30	9.93	13.46	CSNK1G2	Kinase	0.81	0.82	0.81	0.95	0.65	0.34	0.41	0.37		
CSNK1G3	Kinase	0.93	0.96	1.11	1.14	1.21	2.40	2.97	3.42	CSNK1G3	Kinase	0.75	1.36	1.39	1.14	6.72	10.10	7.57	13.61	CSNK1G3	Kinase	0.94	1.01	0.94	0.98	0.46	0.52	0.54	0.37		
CSNK2A1	Kinase	0.66	0.98	0.97	1.11	1.18	1.78	3.44	2.45	CSNK2A1	Kinase	1.03	1.41	1.06	1.04	5.63	10.95	15.89	10.16	CSNK2A1	Kinase	0.92	1.03	0.84	1.00	0.55	0.49	0.13	0.53		
CSNK2A2	Kinase	NA	1.18	1.97	1.26	1.35	2.69	2.47	2.66	CSNK2A2	Kinase	0.84	1.25	1.55	1.05	6.36	7.57	10.74	4.27	CSNK2A2	Kinase	0.94	0.89	0.55	0.94	0.49	0.57	0.18	0.65		
CSNK2B	Kinase	NA	1.42	0.94	0.97	1.49	2.12	1.66	2.66	CSNK2B	Kinase	1.31	1.36	1.00	0.89	7.04	4.44	5.54	4.15	CSNK2B	Kinase	1.05	0.97	0.80	1.07	0.23	0.69	0.64	0.47		
DAPK1	Kinase	0.68	0.90	0.97	0.97	1.44	2.77	2.05	2.95	DAPK1	Kinase	1.28	1.73	1.30	1.24	6.57	11.93	8.02	6.22	DAPK1	Kinase	0.88	0.92	1.01	1.01	0.47	0.38	0.51	0.41		
DAPK2	Kinase	NA	0.94	1.05	0.95	1.02	3.34	1.94	2.34	DAPK2	Kinase	1.53	0.87	1.64	0.94	9.41	5.28	6.24	3.23	DAPK2	Kinase	0.94	0.85	1.11	1.01	0.40	0.52	0.78	0.82		
DAPK3	Kinase	0.66	0.93	0.95	0.99	1.10	3.25	2.69	2.65	DAPK3	Kinase	0.96	1.58	0.83	0.92	4.21	15.34	13.02	9.73	DAPK3	Kinase	0.89	1.03	0.90	1.03	0.61	0.38	0.33	0.52		
DCAMKL1	Kinase	1.15	1.11	1.08	1.00	1.10	3.06	2.52	2.25	DCAMKL1	Kinase	0.84	0.71	0.84	1.09	6.90	7.51	6.04	6.96	DCAMKL1	Kinase	0.92	1.02	0.84	0.95	0.42	0.52	0.61	0.55		
DCAMKL2	Kinase	NA	1.22	1.11	1.01	1.91	2.73	3.25	3.22	DCAMKL2	Kinase	1.37	1.11	1.14	1.85	11.77	7.48	8.05	9.25	DCAMKL2	Kinase	0.92	0.80	0.91	0.89	0.47	0.44	0.61	0.33		
DDK	Kinase	NA	1.05	0.83	1.01	1.15	2.84	3.30	2.48	DDK	Kinase	1.47	1.26	0.79	1.04	3.99	6.90	13.07	9.13	DDK	Kinase	1.02	1.01	0.74	0.99	0.67	0.60	0.28	0.59		
DDR1	Kinase	0.71	1.11	0.92	1.09	1.43	2.14	1.96	3.19	DDR1	Kinase	0.87	1.57	1.15	1.20	7.52	6.03	9.75	9.82	DDR1	Kinase	0.88	1.03	0.75	0.93	0.45	0.79	0.46	0.48		
DDR2	Kinase	NA	1.12	0.95	0.95	1.00	2.21	2.71	2.54	DDR2	Kinase	0.84	1.19	1.26	1.09	7.28	8.53	8.92	6.13	DDR2	Kinase	0.97	1.02	0.72	0.99	0.28	0.42	0.40	0.52		
DGKA	Kinase	NA	0.93	0.94	1.02	1.17	2.32	2.45	2.85	DGKA	Kinase	1.50	1.33	1.01	1.75	6.38	6.68	10.78	8.55	DGKA	Kinase	0.99	0.99	0.86	1.17	0.56	0.41	0.53	0.45		
DGKB	Kinase	1.28	1.12	1.02	1.04	1.31	2.54	2.71	3.99	DGKB	Kinase	1.30	1.04	0.80	1.12	5.21	6.64	7.66	12.12	DGKB	Kinase	1.03	0.97	0.65	0.77	0.59	0.69	0.44	0.17		
DGKD	Kinase	0.47	1.39	1.00	1.08	0.89	3.43	3.22	3.01	DGKD	Kinase	0.94	1.17	1.35	1.26	4.41	10.58	11.10	18.56	DGKD	Kinase	0.81	1.00	0.98	0.87	0.55	0.42	0.46	0.48		
DGKE	Kinase	0.58	1.36	1.04	1.10	0.92	2.72	3.30	3.13	DGKE	Kinase	0.84	0.94	1.28	1.24	2.75	14.94	18.41	9.35	DGKE	Kinase	0.86	0.75	0.92	0.85	0.61	0.19	0.38	0.34		
DGKG	Kinase	1.03	1.00	1.10	1.02	1.55	2.64	2.48	3.20	DGKG	Kinase	1.02	1.19	1.09	0.97	5.84	9.75	9.87	8.16	DGKG	Kinase	1.05	1.08	0.74	0.88	0.40	0.61	0.34	0.48		
DGKH	Kinase	0.98	1.02	1.11	1.01	2.01	2.69	2.76	3.27	DGKH	Kinase	1.48	1.36	1.66	1.36	9.74	9.53	14.35	20.06	DGKH	Kinase	0.99	0.96	0.64	0.85	0.61	0.43	0.32	0.11		
DGKI	Kinase	NA	1.06	0.93	0.99	1.02	1.92	2.24	1.88	DGKI	Kinase	1.50	1.27	1.22	0.75	6.39	6.81	6.87	2.95	DGKI	Kinase	0.88	1.04	1.21	1.13	0.11	0.39	0.60	0.95		
DGKQ	Kinase	0.91	0.88	1.06	1.08	1.40	2.96	2.21	2.70	DGKQ	Kinase	0.72	1.01	0.90	1.09	5.94	9.45	9.04	8.76	DGKQ	Kinase	0.89	0.95	1.03	1.04	0.52	0.34	0.64	0.51		
DGKZ	Kinase	0.55	1.19	0.94	1.09	1.13	2.37	3.02	3.07	DGKZ	Kinase	0.97	0.87	1.17	1.25	6.66	7.72	6.63	10.64	DGKZ	Kinase	0.89	0.95	0.88	0.73	0.42	0.47	0.37	0.17		
DGUOK	Kinase	NA	0.89	0.96	0.94	0.63	1.42	2.58	2.40	DGUOK	Kinase	0.77	1.42	2.32	1.00	3.07	6.31	15.02	5.65	DGUOK	Kinase	0.87	0.84	0.65	0.92	0.52	0.45	0.29	0.68		
DMPK	Kinase	NA	0.96	0.95	1.02	1.14	2.07	1.87	2.73	DMPK	Kinase	0.82	1.07	0.92	1.08	3.85	8.77	3.18	7.69	DMPK	Kinase	0.97	1.02	0.61	1.02	0.73	0.64	0.59	0.60		
DOK1	Kinase	1.65	1.00	1.06	1.21	1.29	2.64	2.51	2.62	DOK1	Kinase	0.68	1.08	1.26	1.54	8.28	7.57	10.62	13.02	DOK1	Kinase	0.97	0.90	0.64	0.91	0.38	0.45	0.35	0.47		
DTYMK	Kinase	1.22	0.99	0.95	1.07	1.34	2.13	2.31	3.46	DTYMK	Kinase	1.13	1.23	1.20	0.88	6.12	11.02	6.05	11.22	DTYMK	Kinase	1.02	0.88	0.86	0.95	0.56	0.39	0.61	0.43		
DYRK1A	Kinase	0.99	0.95	1.05	1.02	1.27	2.52	2.11	3.21	DYRK1A	Kinase	0.74	1.63	1.61	0.84	6.36	8.50	14.30	11.20	DYRK1A	Kinase	0.71	0.88	0.61	0.93	0.26	0.48	0.18	0.47		

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	STDev			MEAN	STDev					MEAN	STDev			MEAN	STDev					MEAN	STDev			MEAN	STDev		
Cells only	CONTROLS (Kinase & Additional gene set)	0.98	0.18			1.99	0.60			Cells only	CONTROLS (Kinase & Additional gene set)	1.10	0.57			5.98	1.52			Cells only	CONTROLS (Kinase & Additional gene set)	1.06	0.06			0.64	0.05		
siNeg		1.00	0.10			2.50	0.77			siNeg		1.00	0.22			7.10	1.59			siNeg		1.00	0.07			0.47	0.05		
siCASP8		1.03	0.17			1.39	0.39			siCASP8		1.13	0.30			1.56	0.37			siCASP8		0.98	0.07			1.00	0.08		
siFLIP		1.06	0.21			3.03	0.84			siFLIP		1.39	0.34			10.58	2.08			siFLIP		0.93	0.05			0.26	0.03		
siCelldeath		1.42	0.35			2.69	0.73			siCelldeath		4.73	1.13			18.81	4.53			siCelldeath		0.15	0.06			0.04	0.04		
Cells only	CONTROLS (Phosphatase set)	NA	NA			NA	NA			Cells only	CONTROLS (Phosphatase set)	1.03	0.29			4.84	1.20			Cells only	CONTROLS (Phosphatase set)	1.09	0.11			0.65	0.16		
siNeg		NA	NA			NA	NA			siNeg		1.00	0.21			5.37	1.30			siNeg		1.00	0.06			0.56	0.13		
siCASP8		NA	NA			NA	NA			siCASP8		1.14	0.21			2.38	0.64			siCASP8		1.06	0.10			0.95	0.10		
siFLIP		NA	NA			NA	NA			siFLIP		1.23	0.28			7.54	1.07			siFLIP		1.06	0.17			0.38	0.07		
siCelldeath		NA	NA			NA	NA			siCelldeath		3.91	0.99			11.50	2.18			siCelldeath		0.57	0.17			0.18	0.11		
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
FL14	Kinase	2.04	0.95	1.03	1.09	1.50	2.39	2.44	3.42	FL14	Kinase	0.96	1.23	0.96	1.35	6.70	10.79	5.48	8.36	FL14	Kinase	0.94	0.83	0.74	0.75	0.46	0.40	0.52	0.41
FN3K	Kinase	0.67	1.28	1.17	1.24	1.44	3.70	3.79	3.08	FN3K	Kinase	1.07	1.24	1.43	1.46	11.52	8.63	18.45	12.48	FN3K	Kinase	0.84	0.83	0.93	0.86	0.28	0.37	0.26	0.36
FN3KRP	Kinase	0.80	1.57	1.04	1.19	2.12	3.18	3.10	3.39	FN3KRP	Kinase	1.72	1.14	0.97	1.03	18.23	12.61	15.70	4.85	FN3KRP	Kinase	0.93	0.90	0.68	0.90	0.15	0.26	0.30	0.61
FRK	Kinase	1.40	1.00	0.97	1.12	1.57	2.52	1.97	2.91	FRK	Kinase	1.16	1.24	1.54	1.07	7.71	12.83	7.08	9.63	FRK	Kinase	0.70	0.85	0.86	0.99	0.19	0.50	0.65	0.49
FUK	Kinase	NA	1.04	1.02	1.02	1.34	2.13	3.01	2.89	FUK	Kinase	1.28	1.32	1.51	1.35	7.98	8.63	11.81	8.06	FUK	Kinase	1.05	1.01	1.05	0.97	0.55	0.43	0.34	0.25
FYN	Kinase	1.05	0.97	1.01	1.10	1.38	2.40	2.79	2.85	FYN	Kinase	0.65	1.26	1.04	1.54	6.31	10.11	5.77	9.20	FYN	Kinase	0.89	0.95	0.81	0.93	0.35	0.54	0.59	0.46
GAK	Kinase	0.91	1.02	0.92	1.04	1.40	2.30	2.46	3.12	GAK	Kinase	1.04	2.01	1.26	0.99	4.47	11.04	13.84	18.26	GAK	Kinase	0.82	0.88	0.82	0.76	0.47	0.42	0.31	0.19
GALK1	Kinase	0.75	1.03	0.93	1.00	1.23	2.46	1.67	3.01	GALK1	Kinase	0.89	1.70	1.52	1.60	7.98	8.92	6.39	7.01	GALK1	Kinase	0.86	0.81	0.76	0.99	0.33	0.59	0.64	0.76
GALK2	Kinase	NA	1.14	1.20	2.04	1.54	3.28	2.02	3.16	GALK2	Kinase	1.10	1.45	1.02	0.98	4.44	17.12	6.08	7.27	GALK2	Kinase	0.81	1.07	0.70	0.91	0.66	0.29	0.43	0.57
GCK	Kinase	NA	0.97	0.87	0.99	1.01	2.26	1.73	2.55	GCK	Kinase	1.01	1.59	1.22	1.14	3.10	13.67	8.62	8.52	GCK	Kinase	0.95	0.94	0.63	1.09	0.61	0.22	0.11	0.53
GIT1	Kinase	0.48	1.29	0.98	1.10	0.97	2.59	2.82	3.08	GIT1	Kinase	1.06	1.17	1.52	1.29	6.46	10.06	9.37	9.68	GIT1	Kinase	1.02	0.87	0.86	0.93	0.51	0.30	0.51	0.54
GIT2	Kinase	NA	1.05	1.03	1.13	0.77	2.59	2.92	3.05	GIT2	Kinase	1.29	0.98	1.06	1.49	4.51	6.75	8.32	10.05	GIT2	Kinase	0.96	0.95	1.07	0.86	0.55	0.56	0.53	0.43
GK	Kinase	NA	0.92	1.00	1.15	0.96	2.10	1.94	2.37	GK	Kinase	0.65	1.47	1.01	1.00	4.76	11.60	4.03	7.68	GK	Kinase	1.10	0.89	0.65	1.01	0.76	0.32	0.78	0.62
GK2	Kinase	2.04	1.02	0.99	1.20	1.04	2.17	2.47	2.31	GK2	Kinase	1.35	1.12	1.09	1.01	6.32	5.75	9.73	4.69	GK2	Kinase	0.81	0.99	0.92	0.92	0.46	0.74	0.60	0.71
GKAP1	Kinase	0.65	1.39	1.05	1.40	1.48	3.03	3.34	3.11	GKAP1	Kinase	0.89	1.07	1.61	2.74	9.24	8.21	11.01	14.77	GKAP1	Kinase	0.85	0.95	0.76	0.67	0.26	0.48	0.55	0.33
GNE	Kinase	NA	1.63	1.00	1.10	0.80	1.25	1.90	2.67	GNE	Kinase	1.08	0.91	1.15	1.56	7.08	2.50	2.92	8.03	GNE	Kinase	1.08	1.06	1.00	1.07	0.39	0.60	0.77	0.54
GRK1	Kinase	1.13	1.09	1.12	1.11	1.45	2.66	3.69	4.24	GRK1	Kinase	1.33	1.63	1.12	1.42	4.17	11.28	15.04	13.02	GRK1	Kinase	0.91	1.05	0.92	0.91	0.75	0.47	0.42	0.41
GRK4	Kinase	1.42	0.99	1.10	1.10	1.25	2.70	2.92	2.77	GRK4	Kinase	0.89	1.53	1.31	1.53	6.34	18.54	9.45	9.06	GRK4	Kinase	0.97	1.06	0.82	0.85	0.49	0.32	0.41	0.52
GRK5	Kinase	0.99	0.98	1.00	1.03	1.16	2.32	2.67	3.13	GRK5	Kinase	1.07	1.34	1.45	1.21	5.92	9.33	14.57	17.96	GRK5	Kinase	0.75	1.00	0.77	0.90	0.46	0.32	0.18	0.25
GRK6	Kinase	0.88	1.10	0.91	1.11	1.42	2.27	2.38	3.12	GRK6	Kinase	1.53	1.49	1.39	0.98	8.72	13.61	9.22	13.79	GRK6	Kinase	0.69	1.06	0.82	1.02	0.29	0.48	0.42	0.34
GRK7	Kinase	NA	0.99	1.03	0.93	1.64	2.68	2.62	2.53	GRK7	Kinase	2.33	1.13	1.12	1.44	7.64	8.50	7.59	6.35	GRK7	Kinase	0.96	1.01	0.92	1.01	0.48	0.48	0.48	0.49
GSK3A	Kinase	NA	1.21	1.15	1.20	1.59	2.59	3.34	3.69	GSK3A	Kinase	0.91	1.43	1.00	1.60	5.37	8.13	9.97	6.59	GSK3A	Kinase	0.89	0.99	0.79	1.04	0.73	0.73	0.45	0.60
GSK3B	Kinase	NA	1.14	0.95	1.01	0.83	1.77	1.89	2.41	GSK3B	Kinase	0.82	1.11	1.09	1.04	5.38	5.00	7.17	8.80	GSK3B	Kinase	1.04	1.11	0.67	1.10	0.46	0.77	0.40	0.49
GUK1	Kinase	NA	1.05	1.00	1.29	1.23	2.19	3.39	3.43	GUK1	Kinase	1.52	1.34	1.17	1.09	6.32	10.57	17.43	17.74	GUK1	Kinase	0.89	1.06	0.66	1.00	0.40	0.50	0.36	0.23
HCK	Kinase	1.84	0.98	1.07	1.07	1.17	2.74	2.63	3.19	HCK	Kinase	1.84	1.29	0.88	1.10	7.55	9.55	7.00	13.73	HCK	Kinase	0.76	0.92	0.80	0.77	0.24	0.38	0.47	0.37
HGS	Kinase	0.40	1.13	1.17	1.04	0.99	2.14	3.13	3.01	HGS	Kinase	0.90	0.97	1.30	1.26	7.38	7.64	15.75	10.00	HGS	Kinase	0.94	1.04	1.03	1.02	0.46	0.61	0.30	0.50
HIPK1	Kinase	0.96	1.08	1.15	1.07	2.03	2.11	2.93	3.36	HIPK1	Kinase	1.56	1.17	1.09	1.25	19.03	10.12	15.36	11.18	HIPK1	Kinase	0.78	0.84	0.92	0.74	0.24	0.47	0.32	0.16
HIPK2	Kinase	0.80	2.44	1.27	1.37	1.08	5.76	2.30	2.82	HIPK2	Kinase	0.79	1.24	1.29	1.13	5.02	10.97	13.43	12.32	HIPK2	Kinase	0.93	0.89	0.82	0.78	0.39	0.37	0.32	0.11
HIPK3	Kinase	0.84	1.29	1.19	1.00	1.09	2.87	3.01	2.13	HIPK3	Kinase	1.00	0.98	1.30	1.21	9.92	7.17	5.64	4.16	HIPK3	Kinase	0.91	0.95	0.65	0.90	0.33	0.43	0.46	0.49
HIPK4	Kinase	NA	1.15	0.95	1.00	1.61	2.61	3.30	2.82	H																			

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	StDev	MEAN	StDev			MEAN	StDev			MEAN	StDev	MEAN	StDev			MEAN	StDev			MEAN	StDev	MEAN	StDev				
Cells only	CONTROLS (Kinase & Additional gene set)	0.98	0.18	1.99	0.60	Cells only		CONTROLS (Kinase & Additional gene set)	1.10	0.57	5.98	1.52	Cells only		CONTROLS (Kinase & Additional gene set)	1.06	0.06	0.64	0.05										
siNeg		1.00	0.10	2.50	0.77	siNeg			1.00	0.22	7.10	1.59	siNeg			1.00	0.07	0.47	0.05										
siCASP8		1.03	0.17	1.39	0.39	siCASP8			1.13	0.30	1.56	0.37	siCASP8			0.98	0.07	1.00	0.08										
siFLIP		1.06	0.21	3.03	0.84	siFLIP			1.39	0.34	10.58	2.08	siFLIP			0.93	0.05	0.26	0.03										
siCelldeath	1.42	0.35	2.69	0.73	siCelldeath		4.73	1.13	18.81	4.53	siCelldeath		0.15	0.06	0.04	0.04													
Cells only	CONTROLS (Phosphatase set)	NA	NA	NA	NA	Cells only		CONTROLS (Phosphatase set)	1.03	0.29	4.84	1.20	Cells only		CONTROLS (Phosphatase set)	1.09	0.11	0.65	0.16										
siNeg		NA	NA	NA	NA	siNeg			1.00	0.21	5.37	1.30	siNeg			1.00	0.06	0.56	0.13										
siCASP8		NA	NA	NA	NA	siCASP8			1.14	0.21	2.38	0.64	siCASP8			1.06	0.10	0.95	0.10										
siFLIP		NA	NA	NA	NA	siFLIP			1.23	0.28	7.54	1.07	siFLIP			1.06	0.17	0.38	0.07										
siCelldeath	NA	NA	NA	NA	siCelldeath		3.91	0.99	11.50	2.18	siCelldeath		0.57	0.17	0.18	0.11													
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
LOC161635	Kinase	0.74	1.02	1.02	0.99	1.49	3.02	2.46	2.53	LOC161635	Kinase	3.32	0.89	1.21	1.36	10.30	6.91	8.40	4.93	LOC161635	Kinase	1.07	0.96	1.00	0.94	0.60	0.68	0.73	0.64
LOC283155	Kinase	0.73	1.02	1.07	1.05	1.80	2.40	3.18	2.62	LOC283155	Kinase	1.53	1.09	1.34	1.01	12.38	6.83	9.53	7.41	LOC283155	Kinase	0.69	0.81	0.96	1.00	0.28	0.52	0.44	0.50
LOC285940	Kinase	NA	1.08	1.09	1.26	2.13	2.88	3.28	2.41	LOC285940	Kinase	1.16	1.06	1.32	1.10	9.19	7.20	8.98	8.15	LOC285940	Kinase	1.01	1.04	0.88	0.90	0.56	0.59	0.64	0.39
LOC375449	Kinase	0.85	1.02	1.10	1.03	1.81	2.11	2.68	3.13	LOC375449	Kinase	1.31	1.25	1.22	0.93	12.09	8.63	9.91	9.29	LOC375449	Kinase	1.00	0.88	0.82	0.96	0.51	0.39	0.43	0.39
LOC390777	Kinase	0.79	1.03	0.99	1.01	2.02	2.38	2.11	2.75	LOC390777	Kinase	1.54	0.96	1.36	1.09	15.02	4.28	5.69	2.46	LOC390777	Kinase	0.98	0.78	0.82	0.88	0.31	0.54	0.60	0.70
LOC390975	Kinase	0.73	1.08	1.18	1.20	1.78	3.41	4.08	2.51	LOC390975	Kinase	1.39	1.01	1.74	1.32	15.18	10.58	25.94	6.54	LOC390975	Kinase	0.95	0.90	0.77	0.96	0.28	0.24	0.13	0.51
LOC391295	Kinase	0.71	1.02	0.98	0.98	1.91	3.66	2.89	2.25	LOC391295	Kinase	3.00	1.10	1.84	0.93	13.36	12.02	14.94	11.70	LOC391295	Kinase	0.93	1.03	0.92	0.90	0.47	0.33	0.48	0.44
LOC391533	Kinase	NA	1.12	1.21	1.10	1.48	3.16	2.63	3.75	LOC391533	Kinase	1.11	1.03	0.99	1.07	5.85	7.55	5.83	12.58	LOC391533	Kinase	0.96	0.95	0.83	0.97	0.61	0.53	0.66	0.39
LOC392265	Kinase	NA	0.96	0.85	0.91	1.29	2.04	2.04	2.11	LOC392265	Kinase	1.61	0.99	1.18	0.93	19.03	5.38	9.95	5.26	LOC392265	Kinase	0.91	0.83	0.84	0.80	0.43	0.33	0.31	0.42
LOC400301	Kinase	NA	0.88	1.01	1.02	1.88	1.89	2.93	2.07	LOC400301	Kinase	2.20	1.36	1.23	1.16	12.51	5.19	11.63	8.20	LOC400301	Kinase	1.02	0.92	0.93	1.01	0.52	0.60	0.44	0.57
LOC407835	Kinase	0.88	1.04	1.00	0.98	1.77	2.87	3.20	3.90	LOC407835	Kinase	1.68	0.98	1.35	1.14	6.73	7.61	9.86	9.98	LOC407835	Kinase	0.99	0.98	0.89	0.86	0.73	0.53	0.55	0.34
LOC55971	Kinase	0.62	1.18	1.10	1.16	1.35	2.44	2.96	3.01	LOC55971	Kinase	1.88	0.99	1.55	1.32	15.23	0.99	10.41	8.67	LOC55971	Kinase	0.70	0.89	0.92	0.92	0.23	0.43	0.57	0.42
LOC91807	Kinase	0.66	1.19	1.13	1.13	1.64	3.41	3.70	3.83	LOC91807	Kinase	0.89	0.98	1.55	1.60	17.32	7.32	11.79	8.62	LOC91807	Kinase	0.90	1.00	0.82	0.93	0.34	0.66	0.60	0.48
LRRK1	Kinase	0.79	1.33	1.17	1.09	1.18	2.83	3.29	3.50	LRRK1	Kinase	0.99	1.06	1.19	1.20	6.48	10.23	9.40	13.66	LRRK1	Kinase	0.91	1.11	0.82	0.83	0.29	0.50	0.57	0.39
LRRK2	Kinase	0.84	0.87	0.99	0.98	2.07	2.90	2.57	2.39	LRRK2	Kinase	1.49	0.82	1.17	0.79	11.21	8.64	10.56	5.64	LRRK2	Kinase	0.93	0.86	1.01	0.92	0.42	0.49	0.60	0.57
LYK	Kinase	NA	1.05	1.24	1.13	1.29	4.29	3.08	2.63	LYK	Kinase	2.06	1.31	1.08	1.15	8.81	8.47	7.35	15.06	LYK	Kinase	0.49	0.97	0.83	0.89	0.13	0.62	0.31	0.44
LYK5	Kinase	0.60	1.18	1.15	1.11	1.54	3.21	4.01	3.19	LYK5	Kinase	0.69	0.91	2.29	1.23	6.66	8.16	18.29	10.50	LYK5	Kinase	0.84	0.87	0.78	0.90	0.38	0.41	0.26	0.46
LYN	Kinase	NA	1.13	0.93	1.01	1.08	3.14	2.22	2.48	LYN	Kinase	1.04	1.07	0.85	0.84	5.50	16.08	6.82	7.70	LYN	Kinase	0.96	1.01	1.05	1.05	0.37	0.37	0.58	0.43
MADD	Kinase	0.63	1.16	1.01	1.04	0.98	2.00	2.92	2.89	MADD	Kinase	1.04	0.88	0.89	1.12	5.23	5.11	13.21	17.32	MADD	Kinase	1.00	0.99	0.73	0.77	0.74	0.63	0.38	0.22
MAGI	Kinase	0.97	0.98	0.98	1.10	2.21	3.16	2.53	2.82	MAGI	Kinase	1.52	2.15	1.34	0.99	14.12	10.63	9.33	8.09	MAGI	Kinase	1.00	0.90	0.76	0.92	0.41	0.38	0.52	0.44
MAGI1	Kinase	0.95	1.03	0.97	1.08	2.22	2.78	3.26	2.48	MAGI1	Kinase	1.30	1.27	1.40	1.71	19.57	13.09	8.98	18.30	MAGI1	Kinase	0.93	0.98	1.06	0.62	0.39	0.31	0.46	0.29
MAK	Kinase	1.11	1.04	1.02	1.07	1.48	2.56	2.33	3.32	MAK	Kinase	1.06	1.30	0.90	1.29	5.93	10.11	6.71	8.24	MAK	Kinase	1.00	1.03	0.70	0.95	0.54	0.64	0.34	0.67
MAP2K1	Kinase	NA	1.15	1.54	2.28	1.64	2.20	2.99	4.25	MAP2K1	Kinase	1.73	1.57	1.14	1.62	8.60	7.16	7.63	17.03	MAP2K1	Kinase	0.89	0.80	0.79	0.96	0.23	0.44	0.45	0.20
MAP2K1IP1	Kinase	NA	1.20	0.98	0.99	1.03	3.01	3.30	3.02	MAP2K1IP1	Kinase	1.28	0.84	1.40	1.43	4.22	6.51	10.04	7.05	MAP2K1IP1	Kinase	0.87	1.05	1.06	0.83	0.57	0.63	0.41	0.40
MAP2K2	Kinase	NA	0.79	1.00	0.98	1.07	2.27	2.45	2.59	MAP2K2	Kinase	1.33	1.17	0.96	2.00	7.45	10.74	4.59	12.06	MAP2K2	Kinase	0.90	0.97	0.75	0.99	0.27	0.26	0.76	0.42
MAP2K3	Kinase	NA	0.85	0.94	1.01	0.90	2.34	3.30	2.88	MAP2K3	Kinase	0.89	1.37	1.26	1.34	5.10	5.53	22.02	8.90	MAP2K3	Kinase	0.83	0.95	0.65	0.85	0.39	0.58	0.20	0.59
MAP2K4	Kinase	0.78	1.20	1.09	1.02	1.35	2.51	2.46	3.68	MAP2K4	Kinase	1.00	1.52	1.35	0.89	5.12	10.24	8.00	10.99	MAP2K4	Kinase	0.88	0.91	1.05	0.99	0.50	0.48	0.59	0.40
MAP2K5	Kinase	1.86	3.74	1.04	1.20	1.78	4.41	3.22	3.14	MAP2K5	Kinase	1.05	2.88	1.02	1.09	7.72	23.09	8.20	5.45	MAP2K5	Kinase	0.94	0.83	0.80	0.83	0.29	0.14	0.50	0.66
MAP2K6	Kinase	1.36	1.20	0.96	1.08	2.05	3.46	2.67	3.48	MAP2K6	Kinase	0.75	1.49	0.99	1.24	9.17	34.70	11.73	8.99	MAP2K6	Kinase	0.86	0.91	0.98	1.00	0.36	0.28	0.55	0.55
MAP2K7	Kinase	1.13	1.04	1.10	1.24	1.75	2.36	3.10	3.82	MAP2K7	Kinase	0.96	1																

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	StDev	MEAN	StDev			MEAN	StDev	MEAN	StDev			MEAN	StDev	MEAN	StDev			MEAN	StDev	MEAN	StDev			MEAN	StDev		
Cells only	CONTROLS (Kinase & Additional gene set)	0.98	0.18	1.99	0.60	Cells only		CONTROLS (Kinase & Additional gene set)	1.10	0.57	5.98	1.52	Cells only		CONTROLS (Kinase & Additional gene set)	1.06	0.06	0.64	0.05	CONTROLS (Kinase & Additional gene set)	1.00	0.07	0.47	0.05	CONTROLS (Kinase & Additional gene set)	0.98	0.07	1.00	0.08
siNeg		1.00	0.10	2.50	0.77	siNeg	1.00		0.22	7.10	1.59	siNeg	1.00	0.07		0.47	0.05												
siCASP8		1.03	0.17	1.39	0.39	siCASP8	1.13		0.30	1.56	0.37	siCASP8	0.98	0.07		1.00	0.08												
siFLIP		1.06	0.21	3.03	0.84	siFLIP	1.39		0.34	10.58	2.08	siFLIP	0.93	0.05		0.26	0.03												
siCelldeath		1.42	0.35	2.69	0.73	siCelldeath	4.73		1.13	18.81	4.53	siCelldeath	0.15	0.06		0.04	0.04												
Cells only	CONTROLS (Phosphatase set)	NA	NA	NA	NA	Cells only		CONTROLS (Phosphatase set)	1.03	0.29	4.84	1.20	Cells only		CONTROLS (Phosphatase set)	1.09	0.11	0.65	0.16	CONTROLS (Phosphatase set)	1.00	0.06	0.56	0.13	CONTROLS (Phosphatase set)	1.06	0.10	0.95	0.10
siNeg		NA	NA	NA	NA	siNeg	1.00		0.21	5.37	1.30	siNeg	1.00	0.06		0.56	0.13												
siCASP8		NA	NA	NA	NA	siCASP8	1.14		0.21	2.38	0.64	siCASP8	1.06	0.10		0.95	0.10												
siFLIP		NA	NA	NA	NA	siFLIP	1.23		0.28	7.54	1.07	siFLIP	1.06	0.17		0.38	0.07												
siCelldeath		NA	NA	NA	NA	siCelldeath	3.91		0.99	11.50	2.18	siCelldeath	0.57	0.17		0.18	0.11												
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
MARK2	Kinase	NA	0.99	1.16	1.04	1.60	3.30	3.39	3.35	MARK2	Kinase	1.80	1.23	1.09	1.04	6.13	17.32	10.27	7.13	MARK2	Kinase	0.93	0.90	0.88	0.97	0.49	0.28	0.45	0.50
MARK3	Kinase	0.70	1.06	1.05	1.12	1.58	2.60	2.66	3.33	MARK3	Kinase	0.92	1.51	1.19	1.08	5.94	6.75	7.38	8.05	MARK3	Kinase	0.86	1.01	0.91	0.95	0.39	0.59	0.51	0.42
MARK4	Kinase	1.01	1.04	1.14	1.12	1.09	2.87	3.00	2.69	MARK4	Kinase	6.25	1.12	1.06	2.15	6.95	15.95	11.38	10.17	MARK4	Kinase	0.94	0.92	1.01	0.98	0.46	0.33	0.42	0.48
MAST2	Kinase	0.54	1.01	1.24	1.23	1.40	2.79	2.77	3.67	MAST2	Kinase	1.07	0.92	1.46	1.13	8.47	6.93	8.59	8.99	MAST2	Kinase	0.95	0.93	1.03	0.92	0.38	0.47	0.57	0.21
MAST3	Kinase	1.32	1.08	1.16	1.03	0.91	3.15	2.62	3.22	MAST3	Kinase	0.96	1.01	0.79	0.98	4.60	5.42	7.59	6.69	MAST3	Kinase	1.01	1.07	1.08	1.05	0.48	0.70	0.75	0.48
MAST4	Kinase	1.01	1.13	1.12	1.10	0.99	3.49	2.94	3.04	MAST4	Kinase	0.63	0.92	0.74	1.20	5.43	8.58	9.24	11.02	MAST4	Kinase	0.87	0.89	0.80	0.93	0.49	0.36	0.61	0.67
MASTL	Kinase	0.62	1.27	1.11	1.18	1.30	3.10	3.46	3.74	MASTL	Kinase	0.74	1.22	1.16	1.27	8.29	7.27	11.21	12.58	MASTL	Kinase	0.93	1.08	0.91	0.86	0.30	0.48	0.42	0.35
MATK	Kinase	0.66	1.31	0.69	1.01	1.36	2.64	2.02	2.94	MATK	Kinase	0.83	1.27	1.04	1.37	5.95	6.88	6.73	5.28	MATK	Kinase	0.91	0.98	0.95	1.05	0.49	0.66	0.66	0.61
MELK	Kinase	0.97	1.09	1.17	1.19	1.13	3.20	2.58	2.98	MELK	Kinase	0.98	0.79	1.18	1.20	7.44	10.39	5.55	10.62	MELK	Kinase	0.83	0.82	0.67	0.99	0.43	0.25	0.47	0.52
MERTK	Kinase	0.54	1.24	1.16	1.07	1.08	2.30	2.49	2.58	MERTK	Kinase	0.67	1.03	1.00	1.07	4.84	5.58	9.73	5.56	MERTK	Kinase	1.03	0.97	0.93	0.88	0.59	0.65	0.53	0.64
MET	Kinase	1.34	1.00	1.00	1.00	1.68	2.46	2.53	3.48	MET	Kinase	0.83	1.47	1.11	1.02	6.86	6.52	9.17	7.66	MET	Kinase	0.92	0.86	0.62	0.86	0.57	0.59	0.43	0.61
MGC40579	Kinase	NA	0.98	0.96	1.03	2.30	3.31	2.81	2.42	MGC40579	Kinase	1.38	1.08	1.12	1.44	18.21	2.61	3.92	5.49	MGC40579	Kinase	0.94	0.75	0.83	0.96	0.26	0.69	0.75	0.76
MGC4796	Kinase	0.57	1.22	1.06	1.15	1.50	3.58	3.72	3.29	MGC4796	Kinase	0.70	0.94	1.38	1.17	3.94	15.41	9.99	10.15	MGC4796	Kinase	0.82	0.86	0.95	0.69	0.56	0.37	0.55	0.34
MGC75495	Kinase	NA	0.90	0.99	0.99	1.43	2.18	2.54	2.96	MGC75495	Kinase	1.42	0.95	1.11	0.93	10.45	5.79	8.59	7.45	MGC75495	Kinase	1.07	1.14	1.01	0.78	0.32	0.61	0.52	0.19
MINK1	Kinase	0.68	1.45	1.19	1.08	0.99	3.69	3.22	3.18	MINK1	Kinase	1.44	0.93	0.96	1.08	7.00	11.99	7.51	9.70	MINK1	Kinase	0.69	0.91	0.71	0.88	0.17	0.30	0.53	0.39
MKNK1	Kinase	0.61	1.16	1.04	1.13	0.99	4.65	3.11	3.10	MKNK1	Kinase	1.39	1.07	1.40	1.57	6.27	14.60	11.82	15.50	MKNK1	Kinase	0.77	0.90	1.01	0.90	0.35	0.11	0.44	0.23
MKNK2	Kinase	0.82	1.18	0.89	1.01	1.75	2.59	2.61	3.41	MKNK2	Kinase	1.49	1.35	1.12	1.34	10.87	21.39	13.78	7.84	MKNK2	Kinase	0.83	0.92	0.84	0.91	0.36	0.41	0.38	0.54
MOS	Kinase	0.89	2.02	0.91	0.98	1.59	2.45	2.52	2.08	MOS	Kinase	1.50	1.24	1.51	1.59	5.85	10.46	8.99	11.56	MOS	Kinase	0.98	0.99	1.03	0.87	0.44	0.44	0.55	0.55
MST1R	Kinase	NA	1.31	1.02	1.01	1.63	2.44	2.37	2.57	MST1R	Kinase	1.32	1.01	1.27	1.71	6.98	9.67	9.06	12.44	MST1R	Kinase	0.94	0.93	0.72	1.02	0.39	0.44	0.20	0.41
MST4	Kinase	NA	1.41	1.00	1.08	0.93	2.24	2.20	2.75	MST4	Kinase	1.23	1.16	1.27	1.52	5.50	8.16	8.69	10.42	MST4	Kinase	1.07	0.95	0.80	0.97	0.49	0.62	0.48	0.23
MUSK	Kinase	NA	0.89	1.04	1.01	0.97	1.87	2.48	2.43	MUSK	Kinase	0.87	1.44	1.07	1.35	7.37	9.01	8.78	6.07	MUSK	Kinase	0.95	1.01	0.76	0.92	0.36	0.54	0.57	0.50
MVK	Kinase	NA	1.02	0.95	1.13	1.03	2.09	2.58	3.39	MVK	Kinase	1.03	1.29	1.24	1.07	6.15	9.73	12.15	10.37	MVK	Kinase	0.97	0.95	0.60	1.03	0.32	0.55	0.41	0.48
MYLK	Kinase	1.54	1.10	1.14	1.10	1.44	2.29	2.45	3.21	MYLK	Kinase	0.83	1.17	0.87	1.25	6.26	11.35	10.19	9.76	MYLK	Kinase	0.88	0.99	0.69	0.81	0.60	0.42	0.53	0.44
MYLK2	Kinase	0.50	1.22	0.94	1.08	1.17	2.76	3.05	3.27	MYLK2	Kinase	0.84	0.89	1.11	1.91	7.77	12.97	7.09	10.65	MYLK2	Kinase	0.90	0.94	0.79	0.70	0.47	0.24	0.48	0.23
NAGK	Kinase	NA	1.06	0.93	0.97	1.02	2.90	2.14	2.67	NAGK	Kinase	1.04	1.22	1.19	1.01	8.11	11.18	13.91	11.20	NAGK	Kinase	0.75	1.00	1.02	1.05	0.25	0.32	0.40	0.40
NEK1	Kinase	1.17	1.05	1.08	1.15	1.58	2.45	3.99	3.33	NEK1	Kinase	1.07	1.10	1.00	1.10	7.24	10.91	25.32	8.42	NEK1	Kinase	0.98	1.06	0.74	1.00	0.46	0.47	0.19	0.59
NEK11	Kinase	0.48	1.19	1.07	1.16	1.04	2.45	3.00	3.87	NEK11	Kinase	1.01	1.04	1.82	1.10	7.33	9.40	12.92	8.17	NEK11	Kinase	0.82	1.01	0.86	0.95	0.24	0.44	0.40	0.56
NEK2	Kinase	0.84	0.98	1.12	1.13	1.53	3.37	2.57	3.76	NEK2	Kinase	1.14	1.38	1.04	1.15	6.54	14.70	4.60	11.32	NEK2	Kinase	0.84	1.00	0.90	0.87	0.42	0.34	0.63	0.20
NEK3	Kinase	0.73	1.31	1.08	0.98	1.38	2.61	2.41	2.83	NEK3	Kinase	1.06	1.31	1.12	1.01	7.26	18.26	5.20	8.32	NEK3	Kinase	0.87	0.91	0.91	1.02	0.48	0.42	0.49	0.51
NEK4	Kinase	0.77	1.21	0.98	1.02	1.34	2.43	2.31	3.55	NEK4	Kinase	1.37	1.57	1.03	1.86	3.50	8.78	4.92	29.50	NEK4	Kinase	0.76	0.97	1.01	0.68	0.51	0.51	0.45	0.07
NEK6	Kinase	NA	1.39	0.99																									

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	STDev	MEAN	STDev			MEAN	STDev			MEAN	STDev	MEAN	STDev			MEAN	STDev			MEAN	STDev	MEAN	STDev				
Cells only		0.98	0.18	1.99	0.60	Cells only		1.10	0.57	5.98	1.52	Cells only		1.06	0.06	0.64	0.05												
siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.10	2.50	0.77	siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.22	7.10	1.59	siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.07	0.47	0.05												
siCASP8		1.03	0.17	1.39	0.39	siCASP8		1.13	0.30	1.56	0.37	siCASP8		0.98	0.07	1.00	0.08												
siFLIP		1.06	0.21	3.03	0.84	siFLIP		1.39	0.34	10.58	2.08	siFLIP		0.93	0.05	0.26	0.03												
siCelldeath		1.42	0.35	2.69	0.73	siCelldeath		4.73	1.13	18.81	4.53	siCelldeath		0.15	0.06	0.04	0.04												
Cells only		NA	NA	NA	NA	Cells only		1.03	0.29	4.84	1.20	Cells only		1.09	0.11	0.65	0.16												
siNeg	CONTROLS (Phosphatase set)	NA	NA	NA	NA	siNeg	CONTROLS (Phosphatase set)	1.00	0.21	5.37	1.30	siNeg	CONTROLS (Phosphatase set)	1.00	0.06	0.56	0.13												
siCASP8		NA	NA	NA	NA	siCASP8		1.14	0.21	2.38	0.64	siCASP8		1.06	0.10	0.95	0.10												
siFLIP		NA	NA	NA	NA	siFLIP		1.23	0.28	7.54	1.07	siFLIP		1.06	0.17	0.38	0.07												
siCelldeath		NA	NA	NA	NA	siCelldeath		3.91	0.99	11.50	2.18	siCelldeath		0.57	0.17	0.18	0.11												
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
PDGFRB	Kinase	NA	0.94	1.09	1.03	1.49	1.87	2.67	4.38	PDGFRB	Kinase	1.47	1.67	1.11	1.06	6.72	9.27	12.86	18.63	PDGFRB	Kinase	0.82	0.99	0.63	0.99	0.34	0.42	0.39	0.22
PDIK1L	Kinase	NA	0.95	0.94	0.95	1.65	1.94	3.28	2.26	PDIK1L	Kinase	2.36	1.24	1.25	1.22	24.11	6.45	13.60	15.42	PDIK1L	Kinase	0.66	1.06	1.10	0.97	0.09	0.59	0.34	0.21
PDK1	Kinase	1.75	1.01	1.07	1.13	1.38	3.25	3.25	3.91	PDK1	Kinase	0.84	1.42	1.19	0.95	5.46	8.80	8.69	14.39	PDK1	Kinase	0.94	0.98	0.65	0.79	0.62	0.54	0.36	0.32
PDK2	Kinase	1.48	1.05	1.08	1.13	1.69	2.50	2.56	3.85	PDK2	Kinase	0.93	1.25	1.05	0.96	8.19	12.71	11.21	12.93	PDK2	Kinase	0.98	0.94	0.85	0.97	0.44	0.45	0.38	0.38
PDK3	Kinase	1.05	1.09	1.07	1.13	1.56	2.95	2.11	3.92	PDK3	Kinase	1.58	1.44	1.61	1.87	5.49	16.75	4.81	15.49	PDK3	Kinase	0.87	0.99	1.01	0.90	0.49	0.37	0.75	0.26
PDK4	Kinase	0.96	0.95	1.01	1.11	1.25	2.66	2.89	2.81	PDK4	Kinase	1.62	1.47	1.13	1.19	5.44	17.38	6.44	11.59	PDK4	Kinase	0.96	1.10	0.98	1.00	0.57	0.34	0.62	0.56
PDLM5	Kinase	0.71	1.37	1.12	1.07	0.91	2.38	2.80	2.94	PDLM5	Kinase	0.88	1.04	1.07	1.09	6.90	6.30	7.75	14.39	PDLM5	Kinase	0.91	0.91	0.69	0.84	0.58	0.45	0.61	0.44
PDPK1	Kinase	0.88	1.07	1.04	1.09	1.68	2.53	2.59	3.84	PDPK1	Kinase	0.91	1.65	1.21	1.35	6.57	14.29	11.33	16.87	PDPK1	Kinase	0.91	1.04	0.89	0.95	0.35	0.29	0.57	0.24
PDXK	Kinase	0.72	1.35	0.95	1.08	0.96	2.24	2.60	3.21	PDXK	Kinase	0.67	0.86	0.98	1.12	8.44	5.90	8.11	6.02	PDXK	Kinase	0.85	0.87	0.72	0.98	0.33	0.52	0.62	0.70
PFKFB1	Kinase	NA	1.28	1.54	3.11	1.31	2.36	2.70	3.62	PFKFB1	Kinase	1.15	1.60	2.55	1.21	5.34	4.85	9.90	6.75	PFKFB1	Kinase	0.91	0.89	0.63	0.84	0.42	0.59	0.19	0.52
PFKFB2	Kinase	NA	1.01	1.00	1.09	1.14	2.61	2.78	2.46	PFKFB2	Kinase	0.95	1.56	0.91	1.33	7.64	14.30	8.56	13.23	PFKFB2	Kinase	0.88	0.96	0.71	1.02	0.25	0.36	0.38	0.45
PFKFB3	Kinase	NA	0.94	1.05	0.98	1.09	2.61	2.96	2.86	PFKFB3	Kinase	1.03	1.53	1.09	1.35	5.90	8.51	8.82	12.61	PFKFB3	Kinase	0.97	1.10	0.67	0.90	0.42	0.59	0.46	0.42
PFKFB4	Kinase	1.72	1.19	1.04	1.19	1.39	2.93	4.29	3.11	PFKFB4	Kinase	1.41	1.02	1.24	0.55	7.22	7.45	15.86	7.88	PFKFB4	Kinase	0.84	0.83	0.73	0.83	0.34	0.46	0.15	0.53
PFKL	Kinase	1.44	1.21	1.03	1.12	1.40	2.84	3.49	3.98	PFKL	Kinase	1.19	2.46	1.29	2.78	5.51	19.65	20.05	21.15	PFKL	Kinase	0.93	0.87	0.78	0.95	0.52	0.27	0.18	0.32
PFKM	Kinase	1.02	1.14	1.16	1.19	1.65	2.96	3.22	3.38	PFKM	Kinase	1.16	1.64	1.16	1.17	3.93	14.78	11.18	8.89	PFKM	Kinase	0.85	0.76	0.85	0.96	0.55	0.20	0.34	0.47
PFKP	Kinase	0.91	0.99	0.89	1.16	1.36	2.79	2.56	3.38	PFKP	Kinase	0.95	1.37	1.52	1.28	9.20	20.89	21.93	8.26	PFKP	Kinase	0.94	1.02	0.93	1.02	0.27	0.33	0.15	0.70
PFTK1	Kinase	1.33	1.25	1.06	1.08	1.19	2.76	2.21	2.98	PFTK1	Kinase	0.68	1.50	1.34	1.19	6.39	10.59	11.66	13.67	PFTK1	Kinase	0.93	1.05	0.81	1.00	0.42	0.54	0.55	0.44
PGK1	Kinase	NA	1.26	1.25	1.39	1.65	2.31	2.63	3.64	PGK1	Kinase	0.84	1.32	1.61	0.92	6.20	5.32	11.39	4.92	PGK1	Kinase	0.95	0.91	0.86	1.00	0.42	0.47	0.32	0.59
PGK2	Kinase	NA	1.04	0.98	1.08	0.97	2.56	2.36	2.44	PGK2	Kinase	0.98	1.67	1.11	1.05	5.29	10.14	8.21	8.51	PGK2	Kinase	1.15	0.94	0.76	0.99	0.64	0.32	0.33	0.50
PHKA1	Kinase	NA	1.00	0.89	1.07	1.39	1.79	3.05	2.62	PHKA1	Kinase	0.85	1.16	1.01	1.42	7.60	4.44	11.26	8.95	PHKA1	Kinase	0.90	0.91	0.68	0.99	0.45	0.58	0.38	0.70
PHKA2	Kinase	1.71	1.11	1.00	1.19	1.76	2.80	3.63	3.22	PHKA2	Kinase	1.09	1.00	1.06	1.37	8.43	14.20	7.03	10.50	PHKA2	Kinase	0.73	0.81	0.87	0.81	0.26	0.20	0.34	0.41
PHKB	Kinase	1.25	1.12	1.06	1.14	1.76	2.57	3.26	4.10	PHKB	Kinase	1.59	1.53	0.92	1.78	6.05	11.30	11.99	15.20	PHKB	Kinase	0.91	0.90	0.90	0.83	0.33	0.57	0.46	0.31
PHKG1	Kinase	0.92	0.96	1.10	1.09	1.45	2.57	3.48	3.28	PHKG1	Kinase	1.14	1.26	1.14	0.85	6.99	10.32	11.69	7.88	PHKG1	Kinase	0.97	0.95	0.87	0.99	0.45	0.47	0.30	0.58
PHKG2	Kinase	0.83	0.99	1.03	1.16	1.36	2.17	3.24	3.91	PHKG2	Kinase	1.06	1.53	2.91	1.16	4.55	10.92	25.46	12.59	PHKG2	Kinase	0.87	0.90	0.60	0.87	0.62	0.48	0.16	0.22
PI4K2B	Kinase	0.80	2.80	1.40	1.24	1.28	3.87	4.70	3.93	PI4K2B	Kinase	0.86	1.00	4.04	1.52	3.60	11.17	32.74	9.38	PI4K2B	Kinase	1.05	0.75	0.75	1.12	0.62	0.19	0.13	0.47
PI4KII	Kinase	0.85	1.19	1.00	1.04	1.54	3.11	3.57	3.04	PI4KII	Kinase	1.12	0.78	1.20	1.14	10.13	7.49	10.84	9.09	PI4KII	Kinase	0.94	0.87	0.87	0.84	0.33	0.41	0.52	0.44
PIK3AP1	Kinase	0.99	0.94	1.08	1.08	1.85	4.48	2.69	3.02	PIK3AP1	Kinase	2.29	1.28	1.37	1.35	13.11	11.66	11.63	5.09	PIK3AP1	Kinase	0.95	0.80	0.88	0.93	0.37	0.24	0.49	0.51
PIK3C2A	Kinase	3.23	1.09	1.09	1.20	1.29	2.51	3.67	3.46	PIK3C2A	Kinase	1.01	1.40	1.14	2.30	5.46	16.99	18.17	10.01	PIK3C2A	Kinase	1.05	1.05	0.83	1.00	0.47	0.34	0.20	0.52
PIK3C2B	Kinase	NA	1.20	1.42	1.84	1.78	3.65	3.43	3.73	PIK3C2B	Kinase	1.25	1.24	1.01	1.03	8.23	13.00	8.47	9.14	PIK3C2B	Kinase	0.87	0.98	0.94	1.08	0.20	0.26	0.60	0.52
PIK3C2G	Kinase	NA	0.95	0.98	0.98	1.08	1.81	2.73	3.01	PIK3C2G	Kinase	1.05	1.20	1.02	1.48	5.09	9.67	13.43	23.69	PIK3C2G	Kinase	1.04	1.01	0.63	0.91	0.53	0.47	0.15	0.36
PIK3C3	Kinase	NA	1.05	1.09	1.11	1.36	2.57	2.81	3.55	PIK3C3	Kinase	1.60	1.43	1.00	1.22	5.83	10.75	8.28	9.46	PIK3C3	Kinase	1.01	1.04	0.77	0.98	0.58	0.42	0.54	0.48
PIK3CA	Kinase	1.66	1.08																										

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL		1000 ng TRAIL (1 hour)						NO TRAIL		1000 ng TRAIL (1 hour)						NO TRAIL		100 ng TRAIL (24 hour)									
		MEAN	StDev	MEAN	StDev			MEAN	StDev	MEAN	StDev	MEAN	StDev			MEAN	StDev	MEAN	StDev	MEAN	StDev	MEAN	StDev	MEAN	StDev				
Cells only	CONTROLS (Kinase & Additional gene set)	0.98	0.18	1.99	0.60			Cells only <td rowspan="4">CONTROLS (Kinase & Additional gene set)</td> <td>1.10</td> <td>0.57</td> <td>5.98</td> <td>1.52</td> <td colspan="2"></td> <td>Cells only<td rowspan="4">CONTROLS (Kinase & Additional gene set)</td><td>1.06</td><td>0.06</td><td>0.64</td><td>0.05</td><td colspan="2"></td><td>Cells only<td rowspan="4">CONTROLS (Phosphatase set)</td><td>1.09</td><td>0.11</td><td>0.65</td><td>0.16</td></td></td>	CONTROLS (Kinase & Additional gene set)	1.10	0.57	5.98	1.52			Cells only <td rowspan="4">CONTROLS (Kinase & Additional gene set)</td> <td>1.06</td> <td>0.06</td> <td>0.64</td> <td>0.05</td> <td colspan="2"></td> <td>Cells only<td rowspan="4">CONTROLS (Phosphatase set)</td><td>1.09</td><td>0.11</td><td>0.65</td><td>0.16</td></td>	CONTROLS (Kinase & Additional gene set)	1.06	0.06	0.64	0.05			Cells only <td rowspan="4">CONTROLS (Phosphatase set)</td> <td>1.09</td> <td>0.11</td> <td>0.65</td> <td>0.16</td>	CONTROLS (Phosphatase set)	1.09	0.11	0.65	0.16
siNeg		1.00	0.10	2.50	0.77			siNeg		1.00	0.22	7.10	1.59			siNeg		1.00	0.07	0.47	0.05			siNeg		1.00	0.06	0.56	0.13
siCASP8		1.03	0.17	1.39	0.39			siCASP8		1.13	0.30	1.56	0.37			siCASP8		0.98	0.07	1.00	0.08			siCASP8		1.06	0.10	0.95	0.10
siFLIP		1.06	0.21	3.03	0.84			siFLIP		1.39	0.34	10.58	2.08			siFLIP		0.93	0.05	0.26	0.03			siFLIP		1.06	0.17	0.38	0.07
siCelldeath	CONTROLS (Phosphatase set)	1.42	0.35	2.69	0.73			siCelldeath	CONTROLS (Phosphatase set)	4.73	1.13	18.81	4.53			siCelldeath	CONTROLS (Phosphatase set)	0.15	0.06	0.04	0.04			siCelldeath	CONTROLS (Phosphatase set)	1.09	0.11	0.65	0.16
Cells only		NA	NA	NA	NA			Cells only		1.03	0.29	4.84	1.20			Cells only		1.00	0.06	0.56	0.13			Cells only		1.06	0.10	0.95	0.10
siNeg		NA	NA	NA	NA			siNeg		1.00	0.21	5.37	1.30			siNeg		1.00	0.06	0.56	0.13			siNeg		1.06	0.10	0.95	0.10
siCASP8		NA	NA	NA	NA			siCASP8		1.14	0.21	2.38	0.64			siCASP8		1.06	0.10	0.95	0.10			siCASP8		1.06	0.10	0.95	0.10
siFLIP	CONTROLS (Kinase & Additional gene set)	NA	NA	NA	NA			siFLIP	CONTROLS (Kinase & Additional gene set) <td>1.23</td> <td>0.28</td> <td>7.54</td> <td>1.07</td> <td colspan="2"></td> <th>siFLIP</th> <td rowspan="2">CONTROLS (Kinase & Additional gene set)<td>0.93</td><td>0.05</td><td>0.26</td><td>0.03</td><td colspan="2"></td><th>siFLIP</th><td rowspan="2">CONTROLS (Kinase & Additional gene set)<td>1.06</td><td>0.17</td><td>0.38</td><td>0.07</td></td></td>	1.23	0.28	7.54	1.07			siFLIP	CONTROLS (Kinase & Additional gene set) <td>0.93</td> <td>0.05</td> <td>0.26</td> <td>0.03</td> <td colspan="2"></td> <th>siFLIP</th> <td rowspan="2">CONTROLS (Kinase & Additional gene set)<td>1.06</td><td>0.17</td><td>0.38</td><td>0.07</td></td>	0.93	0.05	0.26	0.03			siFLIP	CONTROLS (Kinase & Additional gene set) <td>1.06</td> <td>0.17</td> <td>0.38</td> <td>0.07</td>	1.06	0.17	0.38	0.07
siCelldeath		NA	NA	NA	NA			siCelldeath		3.91	0.99	11.50	2.18			siCelldeath		0.57	0.17	0.18	0.11			siCelldeath		0.57	0.17	0.18	0.11
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D		
PRKACB	Kinase	0.70	1.07	1.06	0.97	1.54	2.68	2.28	2.83	PRKACB	Kinase	0.90	2.97	0.95	0.91	3.82	16.66	9.93	8.98	PRKACB	Kinase	0.82	0.71	0.86	1.00	0.54	0.32	0.37	0.44
PRKACG	Kinase	0.70	1.02	1.02	0.96	1.22	2.13	2.47	2.79	PRKACG	Kinase	1.21	1.36	1.01	1.13	6.10	7.77	5.65	9.42	PRKACG	Kinase	0.86	1.03	0.91	1.00	0.26	0.79	0.69	0.44
PRKAG1	Kinase	NA	0.94	1.01	0.90	1.17	1.53	2.53	3.48	PRKAG1	Kinase	0.82	1.10	1.14	1.41	7.20	8.44	8.51	11.50	PRKAG1	Kinase	0.88	0.79	0.71	0.80	0.32	0.51	0.47	0.16
PRKAG2	Kinase	0.70	1.28	1.06	1.10	1.29	3.00	3.07	3.14	PRKAG2	Kinase	2.60	1.28	1.42	1.23	7.20	9.13	13.04	14.60	PRKAG2	Kinase	0.97	0.88	0.79	1.06	0.43	0.39	0.36	0.34
PRKAG3	Kinase	0.63	1.27	1.03	1.05	1.76	3.59	3.08	3.30	PRKAG3	Kinase	0.90	0.85	1.04	1.07	17.01	14.20	11.93	6.24	PRKAG3	Kinase	0.85	0.90	1.02	0.93	0.19	0.26	0.47	0.61
PRKAR1A	Kinase	1.59	1.02	1.22	1.09	1.16	2.85	3.19	3.00	PRKAR1A	Kinase	1.08	1.28	1.01	0.93	5.45	12.36	8.93	9.69	PRKAR1A	Kinase	0.95	0.88	0.61	0.79	0.64	0.43	0.44	0.53
PRKAR1B	Kinase	1.19	1.15	0.98	1.09	1.83	2.62	3.05	3.39	PRKAR1B	Kinase	1.12	1.16	0.76	1.23	6.25	16.28	11.58	5.72	PRKAR1B	Kinase	0.93	0.96	0.86	0.97	0.41	0.46	0.47	0.52
PRKAR2A	Kinase	0.78	1.19	1.00	1.08	1.90	2.66	2.92	3.51	PRKAR2A	Kinase	0.84	1.13	1.53	1.02	10.46	11.54	11.71	10.06	PRKAR2A	Kinase	0.73	1.01	0.91	0.97	0.10	0.53	0.43	0.54
PRKAR2B	Kinase	0.73	1.17	0.92	1.10	1.44	2.00	2.65	2.89	PRKAR2B	Kinase	0.87	1.20	1.31	1.09	4.43	7.22	8.62	14.55	PRKAR2B	Kinase	0.90	0.88	0.89	0.95	0.48	0.50	0.38	0.29
PRKCA	Kinase	0.63	1.12	0.96	1.00	1.25	2.49	2.98	2.42	PRKCA	Kinase	0.97	1.29	1.20	0.91	5.09	12.57	13.41	9.74	PRKCA	Kinase	0.98	0.96	0.78	0.91	0.56	0.57	0.16	0.45
PRKCBP	Kinase	0.66	1.07	1.01	1.02	1.22	2.49	2.71	2.94	PRKCBP	Kinase	1.02	0.83	1.26	1.33	9.44	5.34	8.04	8.72	PRKCBP	Kinase	0.75	0.96	0.91	1.02	0.23	0.59	0.55	0.53
PRKCB1	Kinase	NA	1.69	1.17	0.91	1.54	2.79	2.82	3.40	PRKCB1	Kinase	1.23	1.67	0.85	1.52	5.78	15.70	9.33	10.64	PRKCB1	Kinase	0.98	1.04	0.86	1.02	0.57	0.28	0.40	0.40
PRKCBP1	Kinase	1.17	0.97	1.04	1.04	0.90	2.53	2.74	2.31	PRKCBP1	Kinase	0.99	0.75	1.20	1.11	6.67	6.40	10.56	7.64	PRKCBP1	Kinase	0.97	1.01	1.05	0.94	0.63	0.61	0.49	0.51
PRKCD	Kinase	NA	1.03	0.96	1.12	1.16	1.75	2.07	3.05	PRKCD	Kinase	0.86	1.60	1.36	1.09	6.98	10.12	8.17	20.72	PRKCD	Kinase	1.08	1.02	0.67	1.06	0.39	0.45	0.38	0.41
PRKCDBP	Kinase	0.51	1.15	1.17	1.14	1.05	2.55	3.30	2.18	PRKCDBP	Kinase	1.00	1.04	1.30	1.23	8.10	9.26	14.07	7.36	PRKCDBP	Kinase	0.90	0.84	0.88	0.95	0.38	0.44	0.49	0.59
PRKCE	Kinase	NA	0.91	0.94	0.90	1.22	2.38	2.34	3.14	PRKCE	Kinase	1.23	1.78	1.00	1.00	7.41	13.42	10.61	7.88	PRKCE	Kinase	0.87	0.72	0.63	1.07	0.43	0.42	0.48	0.58
PRKCG	Kinase	1.61	1.09	0.99	1.10	1.46	3.45	2.13	2.92	PRKCG	Kinase	1.28	2.66	0.95	1.21	5.13	20.07	5.40	9.24	PRKCG	Kinase	0.93	0.88	0.69	0.82	0.50	0.24	0.61	0.44
PRKCH	Kinase	1.25	1.16	0.99	1.06	2.05	3.29	2.05	3.78	PRKCH	Kinase	1.16	1.13	1.19	0.97	7.88	12.56	5.14	7.00	PRKCH	Kinase	0.82	0.93	0.85	0.99	0.25	0.39	0.69	0.53
PRKCI	Kinase	0.82	1.11	1.28	1.25	1.78	2.87	3.43	4.08	PRKCI	Kinase	0.83	1.61	1.43	1.22	6.34	15.56	15.77	10.83	PRKCI	Kinase	0.82	0.87	0.60	0.96	0.27	0.37	0.19	0.33
PRKCO	Kinase	NA	1.28	1.00	0.94	1.03	2.11	2.71	2.59	PRKCO	Kinase	0.84	1.80	1.20	1.33	5.85	14.17	10.86	6.50	PRKCO	Kinase	0.90	0.94	0.74	0.93	0.44	0.52	0.29	0.55
PRKCZ	Kinase	NA	0.98	1.04	0.94	1.27	2.48	2.37	2.13	PRKCZ	Kinase	0.75	1.16	1.03	1.27	3.90	9.59	12.56	6.31	PRKCZ	Kinase	0.90	1.11	0.66	0.88	0.63	0.66	0.45	0.49
PRKD1	Kinase	NA	1.17	1.23	0.99	1.78	2.71	3.09	3.23	PRKD1	Kinase	0.84	1.44	1.26	1.06	6.75	10.51	6.34	6.07	PRKD1	Kinase	0.93	0.98	0.73	1.04	0.37	0.41	0.44	0.54
PRKD2	Kinase	0.68	1.00	1.69	1.31	0.85	3.19	3.41	4.22	PRKD2	Kinase	0.91	1.20	1.29	3.98	5.33	7.71	18.19	24.00	PRKD2	Kinase	0.76	0.93	0.69	0.72	0.38	0.45	0.14	0.09
PRKD3	Kinase	0.63	1.17	1.12	1.14	1.09	2.58	3.87	3.66	PRKD3	Kinase	0.77	1.04	1.20	1.55	4.67	6.43	15.66	10.00	PRKD3	Kinase	0.96	0.86	0.79	0.87	0.45	0.43	0.27	0.51
PRKDC	Kinase	1.75	1.10	1.15	1.15	1.36	2.05	3.10	3.20	PRKDC	Kinase	0.77	1.15	1.01	0.84	3.85	4.72	11.04	10.15	PRKDC	Kinase	0.90	0.87	0.60	0.91	0.55	0.54	0.33	0.44
PRKG1	Kinase	1.27	1.22	1.09	1.09	1.27	2.39	3.76	3.78	PRKG1	Kinase	1.11	1.24	1.53	0.95	3.98	11.62	10.14	10.23	PRKG1	Kinase	1.01	1.03	0.76	0.94	0.67	0.47	0.23	0.40
PRKG2	Kinase	0.90	1.33	1.17	1.01	1.56	2.72	2.72	2.90	PRKG2	Kinase	1.37	1.54	0.94	1.12	7.86	9.54	8.30	9.24	PRKG2	Kinase	0.88	0.95	0.91	0.75	0.41	0.51	0.44	0.33
PRKRA	Kinase	0.55	1.30	0.99	1.04	1.00	2.11	2.78	3.11	PRKRA	Kinase	0.88	1.22	1.08	1.22	9.57	7.12	11.09	10.83	PRKRA	Kinase	0.99	1.06	0.95	0.95	0.38	0.51	0.60	0.41
PRKRIIR	Kinase	0.84	1.07	1.11	1.13	1.49	2.87	3.10	3.10	PRKRIIR	Kinase	1.19	1.35	1.48	0.96	6.43	17.69	12.62	11.21	PRKRIIR	Kinase	0.90	1.02	0.91	0.96	0.28	0.53	0.35	0.34
PRKX	Kinase	NA	1.13	1.20	1.64	1.45	2.76	2.46	4.23	PRKX	Kinase	1.26	1.11	1.35	1.29	4													

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)											
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)					
		MEAN	StDev	MEAN	StDev			MEAN	StDev			MEAN	StDev	MEAN	StDev			MEAN	StDev			MEAN	StDev	MEAN	StDev						
Cells only	CONTROLS (Kinase & Additional gene set)	0.98	0.18	1.99	0.60	Cells only						1.10	0.57	5.98	1.52	Cells only						1.06	0.06	0.64	0.05						
siNeg		1.00	0.10	2.50	0.77	siNeg						1.00	0.22	7.10	1.59	siNeg						1.00	0.07	0.47	0.05						
siCASP8		1.03	0.17	1.39	0.39	siCASP8						1.13	0.30	1.56	0.37	siCASP8						0.98	0.07	1.00	0.08						
siFLIP		1.06	0.21	3.03	0.84	siFLIP						1.39	0.34	10.58	2.08	siFLIP						0.93	0.05	0.26	0.03						
siCelldeath		1.42	0.35	2.69	0.73	siCelldeath						4.73	1.13	18.81	4.53	siCelldeath						0.15	0.06	0.04	0.04						
Cells only	CONTROLS (Phosphatase set)	NA	NA	NA	NA	Cells only						1.03	0.29	4.84	1.20	Cells only						1.09	0.11	0.65	0.16						
siNeg		NA	NA	NA	NA	siNeg						1.00	0.21	5.37	1.30	siNeg						1.00	0.06	0.56	0.13						
siCASP8		NA	NA	NA	NA	siCASP8						1.14	0.21	2.38	0.64	siCASP8						1.06	0.10	0.95	0.10						
siFLIP		NA	NA	NA	NA	siFLIP						1.23	0.28	7.54	1.07	siFLIP						1.06	0.17	0.38	0.07						
siCelldeath		NA	NA	NA	NA	siCelldeath						3.91	0.99	11.50	2.18	siCelldeath						0.57	0.17	0.18	0.11						
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D		
SGK	Kinase	0.68	1.13	0.98	1.18	1.29	2.83	2.72	3.21	SGK	Kinase	1.30	1.99	1.12	1.43	7.17	9.05	4.22	9.70	SGK	Kinase	0.91	0.92	0.83	1.06	0.43	0.50	0.66	0.51		
SGK2	Kinase	NA	1.37	1.03	1.09	1.24	2.71	2.82	3.06	SGK2	Kinase	0.72	0.79	1.32	2.17	9.54	10.80	3.71	15.69	SGK2	Kinase	0.99	1.00	1.08	0.88	0.17	0.39	0.82	0.46		
SGKL	Kinase	0.77	0.90	1.12	1.06	1.29	3.75	3.51	3.11	SGKL	Kinase	0.83	0.86	1.12	1.01	7.64	9.35	13.53	5.02	SGKL	Kinase	0.99	1.01	0.84	0.77	0.65	0.38	0.38	0.56		
SH3KBP1	Kinase	0.67	2.78	1.24	1.47	1.40	3.60	2.56	3.51	SH3KBP1	Kinase	0.92	0.90	0.97	1.13	6.59	8.01	7.74	9.38	SH3KBP1	Kinase	1.00	1.14	0.93	0.90	0.44	0.37	0.76	0.40		
Sharpin	Kinase	0.88	2.50	1.39	1.16	1.08	3.02	3.80	3.77	Sharpin	Kinase	0.87	0.83	1.53	1.54	4.10	6.40	8.18	10.32	Sharpin	Kinase	0.87	0.81	0.83	1.08	0.50	0.15	0.46	0.37		
SKIP	Kinase	0.66	1.49	1.27	1.14	1.03	2.06	2.98	3.04	SKIP	Kinase	0.73	0.87	1.27	1.34	6.62	8.61	6.65	8.08	SKIP	Kinase	0.81	0.96	0.69	1.00	0.36	0.49	0.72	0.72		
SKP1A	Kinase	NA	1.37	1.48	1.30	1.70	2.34	3.03	3.34	SKP1A	Kinase	0.89	1.35	1.15	1.30	7.26	7.77	7.74	8.03	SKP1A	Kinase	0.94	1.03	0.92	0.97	0.51	0.54	0.48	0.58		
SKP2	Kinase	NA	0.94	0.96	1.17	0.97	2.21	2.21	3.03	SKP2	Kinase	0.95	1.16	1.06	1.23	5.64	9.76	5.39	8.15	SKP2	Kinase	0.99	0.96	0.78	0.99	0.46	0.52	0.58	0.50		
SLK	Kinase	0.55	1.22	1.17	1.24	0.89	2.88	2.14	3.38	SLK	Kinase	1.36	1.06	1.26	1.13	4.62	9.83	8.40	15.53	SLK	Kinase	0.96	0.76	0.85	0.89	0.48	0.16	0.61	0.35		
SMG1	Kinase	0.82	1.13	1.20	1.00	1.67	2.78	3.99	4.28	SMG1	Kinase	1.08	0.66	0.97	1.07	8.88	5.00	12.19	12.31	SMG1	Kinase	0.93	1.01	0.79	0.85	0.20	0.49	0.30	0.34		
SNARK	Kinase	0.52	1.59	1.07	1.08	1.02	2.81	3.09	2.96	SNARK	Kinase	1.01	0.97	2.31	1.51	10.48	10.10	6.81	8.91	SNARK	Kinase	1.00	0.91	0.99	0.91	0.56	0.47	0.44	0.67		
SNF1LK	Kinase	NA	1.03	0.92	0.79	1.72	2.30	2.34	3.03	SNF1LK	Kinase	1.57	1.14	1.30	0.88	11.06	7.21	7.21	7.67	SNF1LK	Kinase	0.96	0.96	0.81	0.93	0.54	0.53	0.59	0.52		
SNF1LK2	Kinase	0.86	1.17	1.00	1.19	1.38	3.55	3.53	2.42	SNF1LK2	Kinase	0.90	1.00	1.88	1.08	7.20	9.92	11.73	4.62	SNF1LK2	Kinase	1.03	1.00	0.81	0.83	0.94	0.47	0.37	0.58		
SNRK	Kinase	0.44	1.43	1.11	1.20	1.13	2.86	2.86	2.86	SNRK	Kinase	0.75	0.79	1.18	1.25	5.45	7.68	8.76	9.59	SNRK	Kinase	0.95	1.02	1.13	1.02	0.64	0.63	0.77	0.51		
SORCS3	Kinase	0.38	1.11	1.13	1.05	0.95	2.70	3.07	2.79	SORCS3	Kinase	1.12	0.95	1.75	2.09	8.30	12.65	21.89	26.01	SORCS3	Kinase	1.00	1.08	0.92	0.94	0.46	0.37	0.26	0.28		
SPHK1	Kinase	0.56	1.06	1.09	1.05	1.41	3.49	2.07	4.18	SPHK1	Kinase	0.62	0.87	1.51	1.64	7.47	11.74	4.98	17.22	SPHK1	Kinase	0.89	0.80	0.97	0.97	0.33	0.25	0.76	0.19		
SPHK2	Kinase	0.51	1.39	1.09	0.93	1.14	2.86	2.21	3.61	SPHK2	Kinase	0.78	1.43	1.10	1.08	4.27	11.26	15.31	15.00	SPHK2	Kinase	0.93	0.80	0.84	0.70	0.61	0.33	0.47	0.16		
SRC	Kinase	NA	1.05	1.00	1.03	1.16	1.99	2.79	3.46	SRC	Kinase	1.28	1.41	1.51	0.93	4.08	12.90	14.43	15.37	SRC	Kinase	0.85	0.98	0.82	0.98	0.52	0.39	0.40	0.39		
SRMS	Kinase	1.33	1.16	1.00	1.21	1.12	2.55	3.41	3.18	SRMS	Kinase	0.85	1.26	1.10	1.31	3.57	10.23	9.37	10.39	SRMS	Kinase	0.82	1.01	0.86	0.69	0.61	0.47	0.37	0.22		
SRPK1	Kinase	1.10	1.06	1.08	1.09	1.99	2.30	3.52	4.06	SRPK1	Kinase	0.90	1.54	1.28	1.31	7.39	11.03	12.80	25.56	SRPK1	Kinase	0.75	1.10	0.94	0.85	0.15	0.75	0.30	0.25		
SRPK2	Kinase	0.98	1.24	1.05	1.33	1.32	2.68	2.46	3.99	SRPK2	Kinase	1.01	1.49	1.08	1.15	7.19	9.61	4.29	9.80	SRPK2	Kinase	0.86	0.94	0.89	0.90	0.34	0.61	0.69	0.39		
SSTK	Kinase	0.61	1.27	1.08	1.08	1.21	2.82	3.75	3.25	SSTK	Kinase	0.94	0.86	1.16	1.54	7.19	2.78	15.30	6.66	SSTK	Kinase	1.04	0.92	0.75	0.77	0.44	0.85	0.24	0.46		
STK10	Kinase	1.25	1.07	1.13	1.06	0.93	2.38	3.03	2.84	STK10	Kinase	1.04	0.79	0.91	0.90	5.83	5.17	7.35	10.31	STK10	Kinase	0.90	0.93	1.00	0.76	0.46	0.63	0.53	0.47		
STK11	Kinase	0.95	1.04	1.07	1.08	1.19	2.61	2.91	2.92	STK11	Kinase	0.78	1.01	1.82	1.21	3.34	7.45	9.84	9.63	STK11	Kinase	1.03	0.96	0.95	1.00	0.52	0.46	0.63	0.49		
STK11IP	Kinase	NA	0.96	0.94	1.05	1.72	2.26	2.40	2.14	STK11IP	Kinase	0.82	0.95	1.29	1.28	11.16	7.74	5.54	6.55	STK11IP	Kinase	0.85	0.98	0.86	0.93	0.12	0.41	0.20	0.36		
STK16	Kinase	0.49	2.00	1.18	1.07	1.19	4.07	4.01	3.76	STK16	Kinase	0.96	1.03	1.37	1.10	6.25	14.95	8.53	11.12	STK16	Kinase	0.98	0.86	0.93	0.89	0.52	0.31	0.60	0.31		
STK17A	Kinase	0.50	1.09	1.11	1.04	1.12	2.85	2.33	3.10	STK17A	Kinase	0.73	1.23	1.29	1.07	10.83	8.36	8.02	12.18	STK17A	Kinase	0.96	0.94	0.87	0.83	0.40	0.40	0.55	0.36		
STK17B	Kinase	0.57	1.03	1.04	0.91	0.93	2.17	2.91	2.70	STK17B	Kinase	0.80	1.24	1.05	1.11	6.53	5.00	10.69	11.29	STK17B	Kinase	0.99	0.93	0.98	0.97	0.48	0.65	0.49	0.55		
STK19	Kinase	0.52	1.13	1.02	1.09	1.15	2.64	2.08	3.30	STK19	Kinase	1.11	0.72	1.66	1.12	11.82	8.96	6.74	9.85	STK19	Kinase	0.87	0.91	1.01	0.92	0.27	0.39	0.66	0.54		
STK22B	Kinase	0.91	1.12	1.06	1.15	1.18	3.14	2.55	2.96	STK22B	Kinase	0.71	0.92	1.24	1.26	6.20	7.85	16.52	10.20	STK											

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	STDev	MEAN	STDev			MEAN	STDev	MEAN	STDev			MEAN	STDev	MEAN	STDev			MEAN	STDev	MEAN	STDev			MEAN	STDev		
Cells only		0.98	0.18	1.99	0.60	Cells only		1.10	0.57	5.98	1.52	Cells only		1.06	0.06	0.64	0.05	Cells only		1.06	0.06	0.64	0.05	Cells only		1.06	0.06	0.64	0.05
siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.10	2.50	0.77	siNeg		1.00	0.22	7.10	1.59	siNeg		1.00	0.07	0.47	0.05	siNeg		1.00	0.07	0.47	0.05	siNeg		1.00	0.07	0.47	0.05
siCASP8		1.03	0.17	1.39	0.39	siCASP8		1.13	0.30	1.56	0.37	siCASP8		0.98	0.07	1.00	0.08	siCASP8		0.98	0.07	1.00	0.08	siCASP8		0.98	0.07	1.00	0.08
siFLIP		1.06	0.21	3.03	0.84	siFLIP		1.39	0.34	10.58	2.08	siFLIP		0.93	0.05	0.26	0.03	siFLIP		0.93	0.05	0.26	0.03	siFLIP		0.93	0.05	0.26	0.03
siCelldeath		1.42	0.35	2.69	0.73	siCelldeath		4.73	1.13	18.81	4.53	siCelldeath		0.15	0.06	0.04	0.04	siCelldeath		0.15	0.06	0.04	0.04	siCelldeath		0.15	0.06	0.04	0.04
Cells only		NA	NA	NA	NA	Cells only		1.03	0.29	4.84	1.20	Cells only		1.09	0.11	0.65	0.16	Cells only		1.09	0.11	0.65	0.16	Cells only		1.09	0.11	0.65	0.16
siNeg	CONTROLS (Phosphatase set)	NA	NA	NA	NA	siNeg		1.00	0.21	5.37	1.30	siNeg		1.00	0.06	0.56	0.13	siNeg		1.00	0.06	0.56	0.13	siNeg		1.00	0.06	0.56	0.13
siCASP8		NA	NA	NA	NA	siCASP8		1.14	0.21	2.38	0.64	siCASP8		1.06	0.10	0.95	0.10	siCASP8		1.06	0.10	0.95	0.10	siCASP8		1.06	0.10	0.95	0.10
siFLIP		NA	NA	NA	NA	siFLIP		1.23	0.28	7.54	1.07	siFLIP		1.06	0.17	0.38	0.07	siFLIP		1.06	0.17	0.38	0.07	siFLIP		1.06	0.17	0.38	0.07
siCelldeath		NA	NA	NA	NA	siCelldeath		3.91	0.99	11.50	2.18	siCelldeath		0.57	0.17	0.18	0.11	siCelldeath		0.57	0.17	0.18	0.11	siCelldeath		0.57	0.17	0.18	0.11
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
TPK1	Kinase	NA	1.59	1.04	1.15	0.86	2.75	2.34	2.91	TPK1	Kinase	1.00	0.87	0.96	1.36	7.71	11.53	12.64	11.64	TPK1	Kinase	0.86	0.93	1.06	0.84	0.34	0.32	0.49	0.46
TRAD	Kinase	0.52	2.06	0.98	1.38	1.34	3.42	3.45	3.95	TRAD	Kinase	1.05	1.22	1.35	1.39	5.80	6.83	7.91	23.43	TRAD	Kinase	1.00	0.95	1.16	0.86	0.65	0.54	0.59	0.14
TRIO	Kinase	0.58	1.06	1.06	1.78	1.00	2.31	1.96	3.37	TRIO	Kinase	0.72	1.23	1.17	1.17	5.02	6.66	6.47	12.05	TRIO	Kinase	0.94	0.95	0.91	0.91	0.59	0.52	0.50	0.47
TSKS	Kinase	0.78	1.17	1.15	1.05	1.26	2.41	2.78	3.68	TSKS	Kinase	0.72	0.87	0.93	0.97	10.29	5.74	9.95	9.41	TSKS	Kinase	0.76	0.84	0.70	0.62	0.34	0.53	0.46	0.18
TTBK1	Kinase	0.72	1.30	1.04	1.12	1.12	2.51	2.77	3.29	TTBK1	Kinase	1.28	1.04	1.14	1.19	6.69	7.39	10.41	9.17	TTBK1	Kinase	1.04	1.04	1.03	1.05	0.44	0.63	0.49	0.55
TTBK2	Kinase	0.70	0.96	1.08	0.94	1.96	2.98	2.46	2.92	TTBK2	Kinase	2.14	1.11	1.46	0.99	11.28	8.99	10.60	7.74	TTBK2	Kinase	1.05	1.07	0.94	0.98	0.56	0.65	0.60	0.45
TTK	Kinase	NA	0.94	0.94	0.94	0.89	1.85	1.81	2.15	TTK	Kinase	1.10	1.02	1.77	1.11	7.21	5.50	8.35	11.28	TTK	Kinase	0.90	0.86	1.16	0.88	0.31	0.52	0.56	0.31
TXK	Kinase	NA	0.99	0.99	1.01	0.91	2.21	2.09	3.48	TXK	Kinase	0.88	1.17	1.35	1.19	6.14	5.92	8.67	11.66	TXK	Kinase	1.03	0.97	1.07	1.01	0.50	0.62	0.66	0.41
TYK2	Kinase	1.05	1.11	1.06	1.02	1.07	2.84	2.26	2.97	TYK2	Kinase	0.68	0.88	0.98	1.41	6.21	9.97	3.45	7.69	TYK2	Kinase	0.91	0.86	0.83	1.00	0.44	0.40	0.84	0.62
TYRO3	Kinase	0.78	1.03	0.97	0.98	1.04	2.77	2.33	2.99	TYRO3	Kinase	0.77	1.14	1.05	0.96	8.11	14.97	11.21	6.33	TYRO3	Kinase	0.96	0.77	0.86	0.77	0.59	0.16	0.45	0.65
TYROBP	Kinase	0.65	1.10	0.95	1.12	1.16	2.19	2.87	2.97	TYROBP	Kinase	1.00	0.98	1.22	1.86	8.65	8.38	12.07	12.30	TYROBP	Kinase	0.95	0.88	1.03	0.90	0.37	0.40	0.44	0.45
UCK1	Kinase	NA	1.38	0.97	1.00	0.91	2.30	2.51	2.70	UCK1	Kinase	0.96	0.82	3.72	1.05	4.08	6.62	17.47	5.47	UCK1	Kinase	0.76	0.97	0.70	0.94	0.33	0.60	0.26	0.52
UCK2	Kinase	0.51	1.04	1.03	1.11	0.95	2.70	3.34	3.72	UCK2	Kinase	0.80	1.27	1.06	1.06	4.93	10.24	15.95	13.03	UCK2	Kinase	1.02	0.96	0.99	0.91	0.89	0.49	0.46	0.38
UCKL1	Kinase	0.66	1.22	1.11	1.12	1.24	3.84	2.55	3.61	UCKL1	Kinase	2.35	0.83	1.46	1.39	6.88	13.35	5.40	11.08	UCKL1	Kinase	0.92	0.96	1.08	0.99	0.27	0.40	0.63	0.49
UGP2	Kinase	0.61	1.18	1.05	1.18	1.22	3.36	3.36	3.89	UGP2	Kinase	0.84	1.09	1.16	1.53	6.97	9.76	15.42	15.04	UGP2	Kinase	0.93	1.02	0.68	0.85	0.43	0.45	0.20	0.16
UHMK1	Kinase	NA	0.86	0.94	0.98	1.63	1.71	3.08	1.87	UHMK1	Kinase	1.71	1.00	1.25	1.00	9.31	4.97	10.27	5.97	UHMK1	Kinase	1.05	1.11	1.03	0.93	0.45	0.60	0.34	0.58
ULK1	Kinase	0.71	1.09	1.02	1.12	1.49	2.32	3.36	2.25	ULK1	Kinase	0.76	0.99	1.36	1.26	11.30	4.89	17.00	5.64	ULK1	Kinase	0.81	0.95	0.81	0.89	0.36	0.61	0.44	0.58
ULK2	Kinase	0.54	1.20	1.16	1.22	1.17	2.70	3.16	4.36	ULK2	Kinase	0.85	1.10	1.19	1.58	9.05	5.67	20.62	20.68	ULK2	Kinase	1.05	0.97	0.99	0.83	0.55	0.66	0.19	0.16
ULK3	Kinase	NA	0.99	0.98	1.09	0.65	2.41	2.49	2.24	ULK3	Kinase	1.17	0.86	1.01	0.94	9.33	7.24	8.63	11.99	ULK3	Kinase	0.93	1.00	1.08	0.89	0.61	0.41	0.52	0.34
ULK4	Kinase	0.69	1.47	1.14	1.10	1.27	3.92	3.40	3.48	ULK4	Kinase	0.88	1.21	1.10	1.09	9.54	11.38	8.86	3.68	ULK4	Kinase	0.92	0.86	0.96	0.92	0.36	0.38	0.43	0.75
UMP	Kinase	0.45	1.29	1.05	1.03	0.94	3.17	2.97	2.99	UMP	Kinase	0.95	1.07	1.57	1.81	4.42	13.94	9.80	10.23	UMP	Kinase	0.91	0.95	0.96	1.04	0.46	0.40	0.60	0.61
VRK1	Kinase	0.62	0.93	1.18	1.26	0.89	2.72	2.74	3.10	VRK1	Kinase	1.26	1.43	1.07	0.93	5.29	7.08	9.35	10.77	VRK1	Kinase	0.97	0.93	0.91	1.05	0.68	0.47	0.44	0.40
VRK2	Kinase	NA	1.01	1.00	0.99	0.87	2.18	2.21	2.28	VRK2	Kinase	0.94	0.99	1.07	1.10	4.91	6.09	11.00	13.26	VRK2	Kinase	1.08	0.83	1.07	1.06	0.48	0.32	0.38	0.45
VRK3	Kinase	0.51	1.61	1.02	1.22	0.78	2.42	3.73	4.13	VRK3	Kinase	0.89	1.36	1.41	1.28	4.50	11.04	12.98	17.44	VRK3	Kinase	0.77	0.94	0.92	0.98	0.46	0.34	0.35	0.25
WDSAM1	Kinase	0.97	1.04	1.05	1.04	1.96	2.64	2.58	2.23	WDSAM1	Kinase	1.95	1.65	1.27	1.10	22.48	9.23	9.10	8.64	WDSAM1	Kinase	0.80	0.99	0.87	0.89	0.20	0.48	0.58	0.44
WEE1	Kinase	NA	1.16	0.98	1.11	0.79	2.32	2.36	3.14	WEE1	Kinase	4.25	1.17	1.33	1.93	10.57	6.99	7.75	16.85	WEE1	Kinase	0.65	1.00	1.12	0.91	0.18	0.59	0.54	0.46
WNK1	Kinase	0.82	1.58	1.07	1.20	1.18	2.55	3.93	3.37	WNK1	Kinase	0.79	0.81	1.26	2.00	8.35	8.12	12.74	13.62	WNK1	Kinase	0.91	0.79	0.64	0.82	0.38	0.40		

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	StDev	MEAN	StDev			MEAN	StDev			MEAN	StDev			MEAN	StDev			MEAN	StDev			MEAN	StDev				
Cells only	CONTROLS (Kinase & Additional gene set)	0.98	0.18	1.99	0.60	Cells only		1.10	0.57	5.98		1.52	Cells only		1.06	0.06	0.64		0.05										
siNeg		1.00	0.10	2.50	0.77	siNeg		1.00	0.22	7.10		1.59	siNeg		1.00	0.07	0.47		0.05										
siCASP8		1.03	0.17	1.39	0.39	siCASP8		1.13	0.30	1.56		0.37	siCASP8		0.98	0.07	1.00		0.08										
siFLIP		1.06	0.21	3.03	0.84	siFLIP		1.39	0.34	10.58		2.08	siFLIP		0.93	0.05	0.26		0.03										
siCelldeath	CONTROLS (Phosphatase set)	1.42	0.35	2.69	0.73	siCelldeath		4.73	1.13	18.81		4.53	siCelldeath		0.15	0.06	0.04		0.04										
Cells only		NA	NA	NA	NA	Cells only		1.03	0.29	4.84		1.20	Cells only		1.09	0.11	0.65		0.16										
siNeg		NA	NA	NA	NA	siNeg		1.00	0.21	5.37		1.30	siNeg		1.00	0.06	0.56		0.13										
siCASP8		NA	NA	NA	NA	siCASP8		1.14	0.21	2.38		0.64	siCASP8		1.06	0.10	0.95		0.10										
siFLIP	CONTROLS (Kinase & Additional gene set)	NA	NA	NA	NA	siFLIP		1.23	0.28	7.54		1.07	siFLIP		1.06	0.17	0.38		0.07										
siCelldeath		NA	NA	NA	NA	siCelldeath		3.91	0.99	11.50		2.18	siCelldeath		0.57	0.17	0.18		0.11										
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D						
										FBP2	Phosphatase	0.93	1.77	1.02	1.25	5.71	5.60	4.44	7.52	FBP2	Phosphatase	1.11	0.95	0.87	1.17	0.61	0.20	0.47	0.72
										FLJ32332	Phosphatase	1.32	1.27	1.09	0.89	3.29	5.54	2.88	7.01	FLJ32332	Phosphatase	0.95	1.01	1.06	1.24	0.79	0.34	0.12	0.77
										G6PC	Phosphatase	1.73	1.47	1.17	1.28	4.56	5.64	4.67	4.66	G6PC	Phosphatase	1.08	0.95	0.95	1.17	0.82	0.61	0.54	0.61
										G6PC2	Phosphatase	0.98	1.08	1.14	0.99	6.13	4.85	4.13	6.51	G6PC2	Phosphatase	1.03	1.01	1.00	0.97	0.60	0.64	0.10	0.68
										G6PC3	Phosphatase	1.33	0.93	0.94	1.14	7.95	6.61	5.73	5.65	G6PC3	Phosphatase	0.93	0.91	0.98	1.21	0.51	0.27	0.28	0.98
										ILKAP	Phosphatase	1.05	0.95	0.99	1.15	5.54	4.77	5.45	7.69	ILKAP	Phosphatase	0.94	0.99	1.02	1.32	0.52	0.50	0.32	0.85
										IMP1A	Phosphatase	1.14	1.23	1.40	1.32	6.53	6.61	6.30	7.78	IMP1A	Phosphatase	1.11	0.99	1.02	1.24	0.56	0.48	0.45	0.77
										INP1	Phosphatase	1.11	1.33	1.04	0.97	4.57	6.78	4.88	7.72	INP1	Phosphatase	1.16	1.22	1.14	1.32	0.66	0.66	0.64	0.73
										INPP4B	Phosphatase	1.21	1.09	1.06	0.95	7.02	4.64	3.58	6.63	INPP4B	Phosphatase	1.07	0.92	0.99	1.20	0.60	0.60	0.18	0.69
										INPP5A	Phosphatase	1.77	1.79	0.57	1.20	10.97	3.79	3.36	7.44	INPP5A	Phosphatase	0.98	0.99	0.97	1.19	0.38	0.60	0.19	0.71
										INPP5B	Phosphatase	1.56	0.95	1.10	1.00	6.44	5.94	8.80	6.63	INPP5B	Phosphatase	0.93	0.94	0.95	1.29	0.47	0.42	0.38	0.75
										INPP5D	Phosphatase	1.34	1.81	0.87	1.50	4.13	4.35	6.23	6.13	INPP5D	Phosphatase	0.85	1.01	1.03	1.25	0.54	0.57	0.07	0.79
										INPP5E	Phosphatase	0.83	1.30	0.94	0.83	5.68	5.06	4.49	6.59	INPP5E	Phosphatase	1.02	0.97	0.94	1.21	0.61	0.40	0.44	0.65
										INPP5F	Phosphatase	0.84	1.87	1.40	1.08	5.08	5.37	6.76	8.17	INPP5F	Phosphatase	1.10	1.02	1.08	1.12	0.66	0.62	0.56	0.66
										ITPA	Phosphatase	0.91	0.94	1.27	1.30	6.19	6.97	4.49	3.97	ITPA	Phosphatase	1.00	0.88	0.96	1.16	0.48	0.50	0.06	0.82
										LHPP	Phosphatase	1.75	1.09	1.11	0.89	10.63	4.90	5.13	6.36	LHPP	Phosphatase	0.86	1.06	1.06	1.07	0.43	0.55	0.05	0.81
										LOC387870	Phosphatase	0.85	1.07	0.91	0.84	5.58	5.33	3.74	6.80	LOC387870	Phosphatase	0.99	0.98	0.99	1.30	0.53	0.78	0.55	0.74
										LOC389772	Phosphatase	1.12	0.99	0.92	1.05	5.64	4.38	5.71	6.23	LOC389772	Phosphatase	1.00	0.99	1.05	1.16	0.65	0.58	0.56	0.76
										LOC391025	Phosphatase	0.86	0.92	1.00	1.52	5.47	9.55	4.68	5.16	LOC391025	Phosphatase	1.10	0.99	1.03	1.17	0.61	0.49	0.67	0.80
										LOC400927	Phosphatase	1.33	1.22	1.07	1.05	4.77	6.32	6.68	6.74	LOC400927	Phosphatase	0.99	0.99	0.98	1.27	0.57	0.52	0.56	0.77
										LOC442428	Phosphatase	1.10	1.25	1.26	1.21	5.54	5.61	4.08	8.05	LOC442428	Phosphatase	1.33	1.22	1.18	1.41	0.79	0.84	0.69	0.73
										LOC474338	Phosphatase	0.86	1.32	1.09	1.12	4.48	5.76	6.06	7.34	LOC474338	Phosphatase	1.11	1.01	1.07	1.14	0.60	0.64	0.18	0.67
										LPPR2	Phosphatase	0.83	1.11	1.39	1.37	8.00	9.03	7.75	7.16	LPPR2	Phosphatase	0.87	1.00	0.99	1.11	0.20	0.24	0.53	0.43
										M-RIP	Phosphatase	1.02	1.74	0.98	0.98	5.61	5.77	6.78	6.75	M-RIP	Phosphatase	1.05	1.05	1.07	1.04	0.58	0.52	0.58	0.68
										MINPP1	Phosphatase	0.90	1.81	1.36	0.96	6.21	4.22	5.41	6.42	MINPP1	Phosphatase	1.12	1.04	1.00	1.25	0.54	0.67	0.71	0.77
										MTM1	Phosphatase	1.34	1.51	1.58	1.47	6.09	5.77	4.65	6.11	MTM1	Phosphatase	0.99	1.01	1.00	1.25	0.59	0.49	0.17	0.76
										MTMR2	Phosphatase	0.98	1.45	1.59	1.05	6.09	6.65	4.03	5.13	MTMR2	Phosphatase	1.08	0.99	1.04	1.21	0.66	0.57	0.56	0.65
										MTMR3	Phosphatase	1.29	1.47	1.49	1.94	5.57	3.04	5.15	6.95	MTMR3	Phosphatase	1.12	0.98	1.02	1.16	0.50	0.53	0.27	0.73
										MTMR4	Phosphatase	1.41	1.57	1.17	1.05	7.80	9.29	6.64	5.65	MTMR4	Phosphatase	0.99	1.01	1.11	1.19	0.50	0.09	0.06	0.85
										MTMR6	Phosphatase	1.42	1.79	1.59	1.34	12.18	6.00	6.23	7.79	MTMR6	Phosphatase	1.11	1.04	1.07	1.17	0.43	0.30	0.36	0.77
										MTMR8	Phosphatase	1.19	1.24	1.40	1.47	7.86	5.94	6.71	7.33	MTMR8	Phosphatase	1.05	0.99	0.99	1.14	0.51	0.10	0.55	0.71
										MTMR9	Phosphatase	0.76	1.12	1.14	1.54	5.17	6.14	4.74	9.26	MTMR9	Phosphatase	1.03	0.98	0.98	1.20	0.60	0.55	0.61	0.62
										PDP2	Phosphatase	0.90	1.68	0.96	0.99	6.11	6.81	6.05	7.36	PDP2	Phosphatase	1.27	1.19	1.23	1.41	0.67	0.67	0.64	0.84
										PDP1	Phosphatase	0.88	0.93	0.87	1.24	6.33	5.23	5.07	8.71	PDP1	Phosphatase	0.90	0.96	0.99	1.09	0.48	0.59	0.56	0.39
										PHOSPHO1	Phosphatase	1.00	1.74	1.47	1.31	4.67	5.45	9.00	6.93	PHOSPHO1	Phosphatase	1.13	0.93	1.09	1.21	0.61	0.35	0.11	0.85
										PHPT1	Phosphatase	1.29	1.19	0.89	0.93	4.59	5.32	3.94	6.96	PHPT1	Phosphatase	1.07	0.94	0.99	1.21	0.71	0.50	0.65	0.61
										PIB5PA	Phosphatase	1.07	0.83	0.81	0.72	7.17	7.24	3.12	5.67	PIB5PA	Phosphatase	1.10	0.88	0.96	1.16	0.57	0.44	0.65	0.70
										PIP3AP	Phosphatase	1.05	1.37	0.92	1.83	9.31	5.67	4.43	7.80	PIP3AP	Phosphatase	0.98	1.02	1.02	1.14	0.44	0.50	0.52	0.67
										PLIP	Phosphatase	1.03	1.88	1.28	1.78	5.86	10.28	4.72	8.97	PLIP	Phosphatase	1.16	0.85	0.97	1.13	0.53	0.26	0.10	0.54
										PME-1	Phosphatase	1.17	1.50	0.86	0.90	6.63	4.21	6.40	6.30	PME-1	Phosphatase	1.08	1.00	0.97	1.17	0.69	0.43	0.58	0.77
										PNKP	Phosphatase	1.17	1.41	0.79	1.1.49</														

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	StDev	MEAN	StDev							MEAN	StDev	MEAN	StDev							MEAN	StDev	MEAN	StDev				
Cells only		0.98	0.18	1.99	0.60	Cells only		1.10	0.57	5.98	1.52	Cells only		1.06	0.06	0.64	0.05												
siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.10	2.50	0.77	siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.22	7.10	1.59	siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.07	0.47	0.05												
siCASP8		1.03	0.17	1.39	0.39	siCASP8		1.13	0.30	1.56	0.37	siCASP8		0.98	0.07	1.00	0.08												
siFLIP		1.06	0.21	3.03	0.84	siFLIP		1.39	0.34	10.58	2.08	siFLIP		0.93	0.05	0.26	0.03												
siCelldeath		1.42	0.35	2.69	0.73	siCelldeath		4.73	1.13	18.81	4.53	siCelldeath		0.15	0.06	0.04	0.04												
Cells only		NA	NA	NA	NA	Cells only		1.03	0.29	4.84	1.20	Cells only		1.09	0.11	0.65	0.16												
siNeg	CONTROLS (Phosphatase set)	NA	NA	NA	NA	siNeg	CONTROLS (Phosphatase set)	1.00	0.21	5.37	1.30	siNeg	CONTROLS (Phosphatase set)	1.00	0.06	0.56	0.13												
siCASP8		NA	NA	NA	NA	siCASP8		1.14	0.21	2.38	0.64	siCASP8		1.06	0.10	0.95	0.10												
siFLIP		NA	NA	NA	NA	siFLIP		1.23	0.28	7.54	1.07	siFLIP		1.06	0.17	0.38	0.07												
siCelldeath		NA	NA	NA	NA	siCelldeath		3.91	0.99	11.50	2.18	siCelldeath		0.57	0.17	0.18	0.11												
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
										SBF1	Phosphatase	1.21	1.24	1.22	1.87	5.28	7.41	5.93	4.68	SBF1	Phosphatase	1.17	0.95	1.02	1.19	0.54	0.53	0.27	0.83
										SGPP1	Phosphatase	1.18	1.59	0.96	1.43	4.02	4.74	6.04	5.23	SGPP1	Phosphatase	0.86	1.04	1.16	1.30	0.59	0.76	0.05	0.73
										SKIP	Phosphatase	0.93	1.76	1.17	1.32	6.51	5.39	6.08	5.14	SKIP	Phosphatase	0.98	1.02	0.98	1.01	0.45	0.63	0.53	0.79
										SNAP23	Phosphatase	1.15	1.40	1.46	1.35	6.59	6.57	4.21	10.52	SNAP23	Phosphatase	1.04	0.96	1.10	1.28	0.55	0.32	0.07	0.63
										SPAP1	Phosphatase	1.14	1.22	1.38	1.09	7.81	4.46	7.30	1.80	SPAP1	Phosphatase	1.07	1.02	0.94	1.28	0.53	0.58	0.52	0.89
										TA-PP2C	Phosphatase	1.22	1.14	1.49	1.16	4.16	5.89	4.46	7.49	TA-PP2C	Phosphatase	1.06	1.03	0.97	1.18	0.59	0.65	0.08	0.53
										TENC1	Phosphatase	2.28	1.15	0.90	1.80	5.82	4.14	4.52	9.27	TENC1	Phosphatase	0.95	0.89	0.94	1.09	0.45	0.52	0.58	0.58
										TPTE	Phosphatase	1.43	1.06	0.99	1.25	6.72	3.94	4.92	5.76	TPTE	Phosphatase	1.04	1.02	1.05	1.20	0.30	0.62	0.62	0.69
										TPTE2	Phosphatase	1.15	1.82	1.04	1.19	3.53	5.79	4.85	5.97	TPTE2	Phosphatase	1.05	1.04	1.03	1.21	0.57	0.30	0.06	0.73
A1BG	Additional gene	NA	0.89	0.98	0.89	1.39	2.65	3.46	2.19	A1BG	Additional gene	1.71	0.94	1.40	1.22	9.59	5.17	19.64	5.73	A1BG	Additional gene	1.10	0.74	0.81	0.87	0.48	0.14	0.09	0.34
A2M	Additional gene	NA	0.94	0.88	1.09	1.68	2.17	2.43	1.92	A2M	Additional gene	1.37	1.71	0.96	1.47	7.40	9.19	8.92	3.68	A2M	Additional gene	0.91	1.07	0.98	0.93	0.46	0.56	0.64	0.63
AADAC	Additional gene	0.95	0.92	1.06	0.95	1.92	2.23	2.68	1.87	AADAC	Additional gene	1.90	1.12	1.18	1.05	11.64	6.63	7.73	5.41	AADAC	Additional gene	1.01	0.99	0.95	0.84	0.49	0.66	0.59	0.65
ABAT	Additional gene	0.89	0.87	1.09	0.91	1.72	2.40	3.27	3.16	ABAT	Additional gene	2.10	1.28	1.53	1.20	7.52	13.40	18.72	6.91	ABAT	Additional gene	0.91	0.83	1.02	0.94	0.64	0.37	0.42	0.39
ABCA1	Additional gene	0.94	1.03	1.04	0.99	2.28	3.90	3.56	2.54	ABCA1	Additional gene	2.22	1.03	1.27	1.13	13.11	12.19	19.55	10.56	ABCA1	Additional gene	0.90	0.93	1.10	0.98	0.27	0.29	0.33	0.46
ABCA2	Additional gene	0.75	0.99	1.00	1.01	1.68	2.35	2.72	2.99	ABCA2	Additional gene	1.96	1.04	1.21	1.18	9.48	13.20	25.18	12.28	ABCA2	Additional gene	0.98	0.92	0.93	0.70	0.59	0.47	0.36	0.45
ABCA3	Additional gene	NA	1.23	1.12	1.13	2.16	2.29	2.42	2.85	ABCA3	Additional gene	2.77	1.54	2.55	1.04	14.71	7.65	24.67	7.94	ABCA3	Additional gene	1.01	0.93	0.85	0.99	0.48	0.47	0.44	0.52
ABCA4	Additional gene	0.99	0.99	0.98	0.96	2.01	2.56	2.80	2.12	ABCA4	Additional gene	1.24	1.15	1.33	1.17	16.02	12.48	6.50	7.67	ABCA4	Additional gene	0.94	0.88	0.89	0.95	0.38	0.30	0.52	0.49
ABCB7	Additional gene	NA	0.96	0.92	0.91	1.63	2.19	2.17	2.84	ABCB7	Additional gene	1.24	1.28	1.74	2.44	10.33	8.18	8.27	21.79	ABCB7	Additional gene	0.94	0.99	1.13	0.90	0.35	0.39	0.61	0.14
ABCC6	Additional gene	0.92	1.05	1.10	1.04	1.91	2.73	3.86	4.65	ABCC6	Additional gene	1.42	1.09	1.24	29.35	5.79	9.86	22.59	18.25	ABCC6	Additional gene	0.91	0.91	0.81	0.82	0.68	0.41	0.32	0.14
ABCD1	Additional gene	0.73	0.96	1.06	1.16	1.92	3.13	2.85	2.48	ABCD1	Additional gene	1.84	1.13	1.03	1.12	12.74	12.66	6.74	7.69	ABCD1	Additional gene	0.95	0.78	0.96	1.09	0.38	0.31	0.61	0.59
ABCD2	Additional gene	0.76	1.00	1.03	1.02	2.57	2.30	2.31	3.16	ABCD2	Additional gene	2.10	1.21	1.23	1.43	15.56	11.75	5.77	10.19	ABCD2	Additional gene	1.06	0.87	0.97	0.87	0.24	0.36	0.65	0.49
ABCF1	Additional gene	NA	1.07	0.93	0.94	1.82	1.85	2.44	2.66	ABCF1	Additional gene	1.57	0.84	1.33	3.63	10.10	7.53	6.89	10.97	ABCF1	Additional gene	0.89	0.95	0.92	0.76	0.49	0.65	0.66	0.36
ACACA	Additional gene	0.93	0.98	1.05	0.93	1.96	2.04	2.70	2.66	ACACA	Additional gene	1.28	0.96	2.06	1.07	15.53	2.82	7.57	8.05	ACACA	Additional gene	0.88	0.87	0.87	0.88	0.39	0.74	0.53	0.56
ACACB	Additional gene	0.84	0.95	0.94	0.88	2.37	1.71	2.49	2.63	ACACB	Additional gene	2.08	1.27	1.32	1.13	15.27	3.35	11.38	10.65	ACACB	Additional gene	0.96	0.75	0.81	0.86	0.19	0.55	0.36	0.40
ACADL	Additional gene	0.74	0.98	1.04	1.05	2.44	3.23	2.33	3.10	ACADL	Additional gene	1.18	1.17	1.35	1.00	8.52	9.32	8.82	16.43	ACADL	Additional gene	0.89	0.90	0.93	0.90	0.40	0.38	0.49	0.30
ACADM	Additional gene	0.78	1.06	0.98	1.00	1.73	2.39	2.78	3.06	ACADM	Additional gene	3.53	1.24	1.43	1.41	13.65	7.33	7.16	7.81	ACADM	Additional gene	0.92	0.99	0.98	0.93	0.43	0.73	0.60	0.47
ACADS	Additional gene	NA	1.16	0.98	1.04	1.90	2.11	2.77	3.19	ACADS	Additional gene	1.19	0.94	1.05	1.10	9.93	10.46	9.07	8.01	ACADS	Additional gene	0.95	0.83	0.97	0.94	0.58	0.34	0.46	0.53
ACADVL	Additional gene	NA	0.92	0.91	0.91	1.93	2.15	1.84	2.40	ACADVL	Additional gene	1.60	2.88	1.20	1.72	30.90	15.42	5.71	10.93	ACADVL	Additional gene	1.04	0.85	0.98	1.01	0.14	0.18	0.60	0.26
ACAT1	Additional gene	NA	0.93	0.91	0.88	1.34	2.00	3.10	2.41	ACAT1	Additional gene	0.99	1.29	1.31	1.35	7.59	5.15	7.59	6.99	ACAT1	Additional gene	1.00	1.13	0.91	0.89	0.68	0.70	0.69	0.44
ACAT2	Additional gene	1.07	1.13	1.00	0.89	1.47	2.84	3.37	2.49	ACAT2	Additional gene	1.43	0.89	1.12	1.15	4.78	12.18	9.42	8.63	ACAT2	Additional gene	0.99	0.83	0.92	0.91	0.60	0.30	0.54	0.45
ACCN1	Additional gene	0.96	0.91	1.06	1.01	1.91	2.44	3.02	2.37	ACCN1	Additional gene	2.05	1.04	1.22	1.12	6.96	8.35	14.96	7.46	ACCN1	Additional gene	0.94	0.99	0.96	0.68	0.80	0.46	0.33	0.44
ACCN2	Additional gene	0.92	0.99	0.89	1.00	2.35	2.44	2.28	2.51	ACCN2	Additional gene	1.69	1.17	1.16	1.11	13.58	7.52	7.77	7.81	ACCN2	Additional gene	1.07	0.82	0.9					

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	STDev	MEAN	STDev					MEAN	STDev	MEAN	STDev					MEAN	STDev	MEAN	STDev								
Cells only	CONTROLS (Kinase & Additional gene set)	0.98	0.18	1.99	0.60	Cells only	CONTROLS (Kinase & Additional gene set)	1.10	0.57	5.98	1.52	Cells only	CONTROLS (Kinase & Additional gene set)	1.06	0.06	0.64	0.05												
siNeg		1.00	0.10	2.50	0.77	siNeg		1.00	0.22	7.10	1.59	siNeg		1.00	0.07	0.47	0.05												
siCASP8		1.03	0.17	1.39	0.39	siCASP8		1.13	0.30	1.56	0.37	siCASP8		0.98	0.07	1.00	0.08												
siFLIP		1.06	0.21	3.03	0.84	siFLIP		1.39	0.34	10.58	2.08	siFLIP		0.93	0.05	0.26	0.03												
siCelldeath	1.42	0.35	2.69	0.73	siCelldeath	4.73	1.13	18.81	4.53	siCelldeath	0.15	0.06	0.04	0.04															
Cells only	CONTROLS (Phosphatase set)	NA	NA	NA	NA	Cells only	CONTROLS (Phosphatase set)	1.03	0.29	4.84	1.20	Cells only	CONTROLS (Phosphatase set)	1.09	0.11	0.65	0.16												
siNeg		NA	NA	NA	NA	siNeg		1.00	0.21	5.37	1.30	siNeg		1.00	0.06	0.56	0.13												
siCASP8		NA	NA	NA	NA	siCASP8		1.14	0.21	2.38	0.64	siCASP8		1.06	0.10	0.95	0.10												
siFLIP		NA	NA	NA	NA	siFLIP		1.23	0.28	7.54	1.07	siFLIP		1.06	0.17	0.38	0.07												
siCelldeath	NA	NA	NA	NA	siCelldeath	3.91	0.99	11.50	2.18	siCelldeath	0.57	0.17	0.18	0.11															
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
AGXT	Additional gene	0.79	1.08	1.02	0.97	1.73	3.12	3.05	3.88	AGXT	Additional gene	1.09	1.30	1.34	2.45	9.46	17.07	7.58	21.71	AGXT	Additional gene	0.98	1.08	0.70	0.94	0.65	0.27	0.55	0.41
AHCY	Additional gene	0.81	1.04	0.94	1.07	1.74	3.02	2.73	2.85	AHCY	Additional gene	1.20	0.89	1.44	0.99	12.12	10.97	8.58	13.70	AHCY	Additional gene	0.85	0.98	0.97	0.84	0.39	0.47	0.70	0.31
AHR	Additional gene	0.75	1.09	1.06	1.00	1.47	2.77	2.39	2.93	AHR	Additional gene	2.09	1.13	1.25	1.13	10.03	8.95	8.31	9.58	AHR	Additional gene	1.00	0.96	0.93	1.01	0.61	0.51	0.67	0.69
AHSG	Additional gene	NA	1.20	3.13	1.06	1.95	2.61	3.90	2.64	AHSG	Additional gene	1.52	2.66	1.22	2.75	9.60	4.68	19.60	12.95	AHSG	Additional gene	0.96	0.94	0.90	0.90	0.46	0.50	0.31	0.42
AIF1	Additional gene	NA	0.93	0.97	1.01	1.63	1.96	2.05	2.40	AIF1	Additional gene	1.53	0.85	0.96	1.54	13.59	5.15	7.32	13.42	AIF1	Additional gene	0.86	1.00	1.18	1.08	0.20	0.76	0.76	0.35
AIRE	Additional gene	0.92	1.13	1.03	1.03	2.06	3.71	2.50	3.59	AIRE	Additional gene	1.46	1.02	1.27	1.24	11.51	10.15	11.12	11.66	AIRE	Additional gene	0.92	0.90	0.69	0.92	0.46	0.43	0.32	0.39
AKR1B1	Additional gene	0.85	1.05	1.09	1.05	2.08	2.23	2.34	3.01	AKR1B1	Additional gene	1.23	0.91	1.48	1.21	11.78	4.06	4.85	4.98	AKR1B1	Additional gene	0.92	0.83	0.90	0.92	0.46	0.67	0.68	0.64
ALAD	Additional gene	NA	0.96	0.89	1.11	1.73	2.64	2.50	2.91	ALAD	Additional gene	2.16	1.13	1.59	1.31	10.49	9.36	8.74	6.54	ALAD	Additional gene	1.05	0.98	1.10	1.06	0.53	0.59	0.63	0.65
ALAS2	Additional gene	0.73	1.01	1.05	1.14	2.05	2.30	2.92	2.97	ALAS2	Additional gene	1.50	1.15	1.19	2.39	8.35	10.56	11.57	8.21	ALAS2	Additional gene	0.95	1.06	0.91	1.04	0.52	0.50	0.45	0.54
ALCAM	Additional gene	0.78	1.03	0.98	1.03	1.62	2.74	2.52	3.22	ALCAM	Additional gene	1.07	0.85	1.07	2.33	12.07	10.52	13.11	11.89	ALCAM	Additional gene	1.12	1.05	0.87	0.96	0.44	0.49	0.48	0.49
ALDH1A1	Additional gene	0.82	1.11	0.98	1.02	1.65	2.30	2.94	2.47	ALDH1A1	Additional gene	1.25	1.89	1.08	0.98	9.21	5.45	9.08	5.40	ALDH1A1	Additional gene	0.92	1.05	0.98	1.11	0.63	0.71	0.59	0.67
ALDH1A3	Additional gene	1.07	0.96	1.02	1.03	1.69	2.31	2.82	2.32	ALDH1A3	Additional gene	1.10	0.88	0.78	1.35	8.91	7.36	17.89	6.47	ALDH1A3	Additional gene	1.06	1.02	0.89	1.02	0.59	0.56	0.50	0.49
ALDH1B1	Additional gene	NA	0.94	0.92	1.11	1.48	2.36	2.36	2.23	ALDH1B1	Additional gene	1.02	1.17	1.33	1.69	8.80	8.77	8.75	7.40	ALDH1B1	Additional gene	1.04	1.04	1.12	1.03	0.57	0.45	0.46	0.36
ALDH2	Additional gene	0.65	1.28	0.95	0.92	1.52	2.77	2.61	2.46	ALDH2	Additional gene	1.89	2.66	1.03	1.14	10.19	19.45	10.89	5.54	ALDH2	Additional gene	1.03	0.86	0.92	0.97	0.56	0.39	0.64	0.66
ALDH3A1	Additional gene	NA	1.16	1.30	1.03	2.64	2.58	3.36	2.47	ALDH3A1	Additional gene	1.67	1.15	1.16	3.73	12.44	8.79	14.84	11.95	ALDH3A1	Additional gene	0.95	0.84	0.76	1.01	0.32	0.38	0.22	0.41
ALDH3A2	Additional gene	0.79	1.01	1.09	1.14	1.83	2.75	2.63	2.58	ALDH3A2	Additional gene	1.57	0.94	1.09	1.65	8.29	5.97	6.80	6.44	ALDH3A2	Additional gene	0.93	1.03	1.05	0.91	0.51	0.54	0.68	0.54
ALDH3B1	Additional gene	1.00	1.12	1.25	1.08	1.87	3.05	3.68	2.90	ALDH3B1	Additional gene	1.49	1.07	1.38	1.39	11.23	12.50	17.23	12.34	ALDH3B1	Additional gene	0.77	0.90	0.87	0.90	0.44	0.34	0.37	0.35
ALDH3B2	Additional gene	0.99	1.07	0.99	1.05	1.61	3.79	3.13	3.13	ALDH3B2	Additional gene	2.12	3.31	1.42	1.24	7.75	26.83	11.61	11.04	ALDH3B2	Additional gene	0.97	0.80	1.03	1.00	0.69	0.24	0.48	0.57
ALDH7A1	Additional gene	0.97	0.93	0.93	1.11	1.87	3.67	2.68	2.34	ALDH7A1	Additional gene	2.54	1.12	1.08	1.16	11.30	11.59	6.87	7.11	ALDH7A1	Additional gene	1.03	0.90	0.78	0.74	0.33	0.38	0.52	0.55
ALDH9A1	Additional gene	0.97	1.00	1.08	1.09	2.09	2.70	3.33	2.74	ALDH9A1	Additional gene	1.73	1.02	1.87	2.16	12.70	7.77	10.48	10.71	ALDH9A1	Additional gene	0.85	0.95	1.07	0.95	0.52	0.58	0.50	0.54
ALDOA	Additional gene	NA	0.98	0.98	0.95	1.34	2.21	2.40	2.22	ALDOA	Additional gene	1.22	0.79	1.00	1.08	7.81	6.58	8.48	6.47	ALDOA	Additional gene	0.58	0.69	1.07	1.08	0.34	0.26	0.64	0.58
ALDOB	Additional gene	1.04	0.97	1.07	1.01	2.20	2.49	2.82	3.16	ALDOB	Additional gene	1.10	1.05	1.24	1.26	19.04	8.60	13.10	4.21	ALDOB	Additional gene	0.98	1.00	0.89	0.95	0.20	0.50	0.55	0.57
ALOX12	Additional gene	0.97	1.22	1.20	1.06	1.97	3.93	3.37	4.07	ALOX12	Additional gene	1.41	1.24	1.72	1.20	10.13	22.28	12.75	14.82	ALOX12	Additional gene	0.91	0.89	0.91	0.89	0.54	0.16	0.57	0.31
ALOX12B	Additional gene	0.83	1.20	1.14	0.98	2.05	2.56	2.95	2.96	ALOX12B	Additional gene	2.61	0.87	1.26	1.11	10.21	8.54	11.21	9.62	ALOX12B	Additional gene	1.02	1.04	0.98	0.77	0.51	0.74	0.54	0.47
ALOX12P2	Additional gene	NA	1.18	0.97	1.18	2.08	1.72	3.07	4.21	ALOX12P2	Additional gene	1.32	0.83	1.40	1.53	7.97	4.83	7.12	12.33	ALOX12P2	Additional gene	0.95	0.91	0.93	0.78	0.56	0.63	0.61	0.25
ALOX15	Additional gene	NA	0.98	1.03	0.94	1.60	2.07	3.08	2.07	ALOX15	Additional gene	1.34	1.42	2.15	1.32	11.27	9.25	16.56	7.33	ALOX15	Additional gene	1.03	1.06	1.00	0.97	0.49	0.38	0.41	0.52
ALOX15B	Additional gene	0.90	0.96	0.94	0.99	1.73	2.25	3.00	2.41	ALOX15B	Additional gene	1.36	0.86	1.41	1.02	12.97	10.67	9.55	6.94	ALOX15B	Additional gene	0.74	0.80	1.04	0.97	0.43	0.23	0.54	0.57
ALOX5	Additional gene	1.05	0.99	1.03	0.97	2.07	2.44	3.02	3.37	ALOX5	Additional gene	1.68	1.00	1.40	0.94	9.98	2.75	9.66	10.89	ALOX5	Additional gene	0.88	0.82	1.03	0.76	0.47	0.70	0.54	0.36
ALOX5AP	Additional gene	0.77	1.07	1.12	1.07	2.33	3.04	2.87	2.40	ALOX5AP	Additional gene	1.59	1.08	1.11	1.17	12.40	7.35	10.79	2.93	ALOX5AP	Additional gene	0.94	0.78	1.03	0.88	0.39	0.44	0.52	0.77
AMD1	Additional gene	0.96	0.99	0.96	0.97	2.13	2.58	3.20	2.82	AMD1	Additional gene	1.62	0.95	0.99	1.07	12.03	3.31	7.80	6.20	AMD1	Additional gene	0.94	0.94	0.95	0.81	0.38	0.44	0.54	0.49
AMELX	Additional gene	1.03	1.1																										

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	StDev	MEAN	StDev			MEAN	StDev			MEAN	StDev	MEAN	StDev			MEAN	StDev			MEAN	StDev	MEAN	StDev				
Cells only		0.98	0.18	1.99	0.60	Cells only		1.10	0.57	5.98	1.52	Cells only		1.06	0.06	0.64	0.05												
siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.10	2.50	0.77	siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.22	7.10	1.59	siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.07	0.47	0.05												
siCASP8		1.03	0.17	1.39	0.39	siCASP8		1.13	0.30	1.56	0.37	siCASP8		0.98	0.07	1.00	0.08												
siFLIP		1.06	0.21	3.03	0.84	siFLIP		1.39	0.34	10.58	2.08	siFLIP		0.93	0.05	0.26	0.03												
siCelldeath		1.42	0.35	2.69	0.73	siCelldeath		4.73	1.13	18.81	4.53	siCelldeath		0.15	0.06	0.04	0.04												
Cells only		NA	NA	NA	NA	Cells only		1.03	0.29	4.84	1.20	Cells only		1.09	0.11	0.65	0.16												
siNeg	CONTROLS (Phosphatase set)	NA	NA	NA	NA	siNeg	CONTROLS (Phosphatase set)	1.00	0.21	5.37	1.30	siNeg	CONTROLS (Phosphatase set)	1.00	0.06	0.56	0.13												
siCASP8		NA	NA	NA	NA	siCASP8		1.14	0.21	2.38	0.64	siCASP8		1.06	0.10	0.95	0.10												
siFLIP		NA	NA	NA	NA	siFLIP		1.23	0.28	7.54	1.07	siFLIP		1.06	0.17	0.38	0.07												
siCelldeath		NA	NA	NA	NA	siCelldeath		3.91	0.99	11.50	2.18	siCelldeath		0.57	0.17	0.18	0.11												
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
AQP9	Additional gene	NA	0.98	0.93	1.06	2.17	2.42	2.34	2.73	AQP9	Additional gene	1.71	0.96	1.44	1.40	16.31	7.21	6.90	12.36	AQP9	Additional gene	0.97	1.05	1.00	0.96	0.15	0.59	0.55	0.42
AR	Additional gene	0.76	1.01	1.03	1.06	2.10	2.97	3.21	3.03	AR	Additional gene	2.29	0.93	1.13	1.37	11.59	8.02	14.21	7.04	AR	Additional gene	0.91	0.94	0.95	1.04	0.37	0.58	0.47	0.64
AREG	Additional gene	0.91	1.08	0.94	1.12	2.41	3.89	2.77	3.25	AREG	Additional gene	2.43	1.10	0.97	1.47	15.65	12.88	14.75	6.23	AREG	Additional gene	0.96	0.81	0.77	0.94	0.44	0.26	0.48	0.60
ARG1	Additional gene	0.95	1.02	1.03	1.02	1.78	3.04	2.91	2.95	ARG1	Additional gene	1.32	1.13	1.52	1.41	12.49	9.41	12.66	8.03	ARG1	Additional gene	0.97	1.09	0.81	0.90	0.40	0.66	0.41	0.37
ARHGDI	Additional gene	0.97	1.02	1.08	0.92	1.91	2.59	2.86	2.30	ARHGDI	Additional gene	1.74	1.00	1.17	1.37	10.53	6.15	7.92	3.31	ARHGDI	Additional gene	0.82	0.99	0.85	1.01	0.42	0.62	0.59	0.59
ARHGDI	Additional gene	0.94	0.98	1.03	0.92	2.20	2.07	3.16	2.88	ARHGDI	Additional gene	1.45	1.20	1.54	0.92	22.37	6.07	7.83	7.65	ARHGDI	Additional gene	0.80	0.93	1.01	0.89	0.27	0.49	0.61	0.37
ARHGDI	Additional gene	0.95	1.08	1.01	1.09	1.86	3.14	3.69	2.79	ARHGDI	Additional gene	1.46	0.84	1.03	1.53	11.74	11.76	8.33	10.91	ARHGDI	Additional gene	0.87	1.10	1.04	0.96	0.54	0.42	0.45	0.46
ARL3	Additional gene	0.94	0.97	1.04	1.08	2.10	3.01	4.11	4.07	ARL3	Additional gene	1.70	0.99	1.54	1.36	11.43	6.11	12.02	18.13	ARL3	Additional gene	0.92	1.02	0.90	0.87	0.46	0.65	0.25	0.20
ARNT	Additional gene	0.86	0.99	1.11	1.06	2.14	2.58	2.45	2.70	ARNT	Additional gene	1.82	0.77	1.28	1.14	7.35	8.14	5.24	8.87	ARNT	Additional gene	0.99	0.78	0.99	0.86	0.73	0.23	0.74	0.28
ARNTL	Additional gene	0.72	1.00	0.99	1.07	1.91	2.48	2.59	3.81	ARNTL	Additional gene	1.72	1.22	1.25	1.10	8.00	8.07	10.09	9.19	ARNTL	Additional gene	1.01	1.04	1.03	0.95	0.64	0.59	0.64	0.42
ARR3	Additional gene	NA	1.18	1.01	0.94	1.78	2.49	2.43	3.46	ARR3	Additional gene	1.18	1.04	1.42	1.13	6.92	6.98	8.43	12.78	ARR3	Additional gene	0.95	0.82	0.95	0.94	0.65	0.52	0.70	0.41
ARRB1	Additional gene	NA	0.93	0.92	0.85	1.79	1.99	2.58	2.55	ARRB1	Additional gene	1.88	1.17	1.09	1.27	15.36	8.11	9.97	5.87	ARRB1	Additional gene	0.98	1.02	1.07	1.08	0.36	0.40	0.53	0.48
ARRB2	Additional gene	0.99	0.96	0.97	1.02	1.65	2.60	2.64	2.56	ARRB2	Additional gene	1.25	0.75	1.13	1.08	10.51	6.60	12.98	11.91	ARRB2	Additional gene	0.90	0.94	0.91	0.90	0.55	0.60	0.49	0.29
ARSA	Additional gene	0.95	1.04	1.00	1.09	1.99	2.21	3.71	3.05	ARSA	Additional gene	1.46	1.13	1.21	1.24	13.24	9.13	10.21	10.09	ARSA	Additional gene	0.97	0.94	0.84	0.87	0.36	0.55	0.32	0.40
ARSB	Additional gene	0.95	1.00	0.99	1.08	2.52	2.81	3.29	2.87	ARSB	Additional gene	1.78	1.06	1.04	1.11	12.98	7.75	5.18	8.51	ARSB	Additional gene	0.97	0.95	1.00	0.82	0.43	0.64	0.69	0.37
ARSD	Additional gene	0.93	1.09	1.12	1.09	2.56	3.12	2.94	3.08	ARSD	Additional gene	1.89	1.25	1.05	0.89	20.53	8.22	11.25	4.53	ARSD	Additional gene	0.93	0.90	1.12	0.82	0.26	0.52	0.44	0.63
ARSE	Additional gene	0.86	1.15	1.16	0.99	2.05	2.15	2.50	2.23	ARSE	Additional gene	2.87	1.14	1.35	1.02	6.72	7.03	12.06	7.67	ARSE	Additional gene	0.98	0.95	1.06	0.90	0.60	0.60	0.53	0.49
ARSF	Additional gene	NA	1.26	1.17	1.03	2.96	2.19	2.85	2.63	ARSF	Additional gene	1.56	1.45	1.23	1.25	16.11	11.18	7.11	6.60	ARSF	Additional gene	0.84	0.73	0.88	0.90	0.23	0.14	0.57	0.62
ASAH1	Additional gene	NA	0.94	0.95	0.98	1.07	1.94	2.09	2.22	ASAH1	Additional gene	1.33	0.87	1.36	1.09	4.13	3.41	8.42	9.75	ASAH1	Additional gene	0.84	1.02	1.12	1.07	0.64	0.75	0.48	0.41
ASCL1	Additional gene	0.99	1.00	1.02	1.10	1.47	2.31	2.64	3.25	ASCL1	Additional gene	2.61	1.05	1.13	1.24	12.00	12.27	6.13	7.13	ASCL1	Additional gene	1.00	0.97	0.86	1.00	0.51	0.48	0.62	0.47
ASCL2	Additional gene	0.95	0.96	0.96	1.01	1.59	2.84	2.57	3.36	ASCL2	Additional gene	1.14	1.00	1.23	0.83	10.32	17.08	3.69	11.14	ASCL2	Additional gene	0.99	0.92	0.88	0.98	0.55	0.44	0.83	0.41
ASGR1	Additional gene	1.09	1.15	0.88	1.04	2.09	4.18	3.63	3.68	ASGR1	Additional gene	1.40	1.13	0.93	1.22	7.47	15.72	8.70	9.25	ASGR1	Additional gene	1.10	0.90	0.86	0.98	0.58	0.23	0.51	0.48
ASGR2	Additional gene	0.92	1.05	1.03	1.15	2.18	3.31	3.02	2.96	ASGR2	Additional gene	2.55	1.21	1.53	0.96	15.83	5.55	16.63	7.81	ASGR2	Additional gene	0.83	0.88	0.98	0.96	0.31	0.58	0.24	0.54
ASMT	Additional gene	0.80	1.09	1.09	1.07	1.79	2.21	3.19	3.32	ASMT	Additional gene	1.47	0.93	2.41	1.09	8.31	6.22	10.86	10.29	ASMT	Additional gene	0.93	1.01	1.09	0.94	0.52	0.76	0.42	0.34
ASNS	Additional gene	0.85	1.11	1.08	1.11	1.64	2.73	3.24	2.37	ASNS	Additional gene	3.02	1.61	1.27	0.88	10.23	10.04	9.73	7.37	ASNS	Additional gene	1.10	1.00	1.01	0.82	0.50	0.44	0.66	0.52
ASPA	Additional gene	NA	1.38	1.11	1.13	2.05	2.50	2.40	2.53	ASPA	Additional gene	1.25	0.87	1.02	2.48	7.76	7.99	3.98	14.24	ASPA	Additional gene	1.13	0.86	0.97	0.81	0.61	0.45	0.91	0.25
ASPH	Additional gene	NA	1.01	0.98	1.01	1.50	1.67	3.11	2.43	ASPH	Additional gene	1.44	1.08	2.97	0.91	10.56	4.16	16.32	13.35	ASPH	Additional gene	0.97	0.91	0.99	0.88	0.42	0.65	0.45	0.40
ASS1	Additional gene	1.02	1.10	1.09	0.96	1.83	2.89	3.14	2.80	ASS1	Additional gene	2.20	1.52	1.21	1.24	10.94	11.55	12.60	8.92	ASS1	Additional gene	1.09	0.90	0.87	1.00	0.54	0.45	0.59	0.49
ATF1	Additional gene	1.00	1.13	1.10	1.13	2.08	3.58	3.05	3.82	ATF1	Additional gene	1.83	1.23	1.00	1.92	10.64	13.13	9.41	11.31	ATF1	Additional gene	0.97	0.93	1.04	0.92	0.53	0.46	0.63	0.27
ATOH1	Additional gene	0.96	1.16	1.08	1.15	2.00	3.65	2.62	3.41	ATOH1	Additional gene	1.50	1.30	1.21	1.52	14.95	11.57	11.15	18.02	ATOH1	Additional gene	0.88	0.83	0.98	0.74	0.36	0.19	0.51	0.22
ATP12A	Additional gene	NA	1.01	1.05																									

Caspase 8 Assay (Fold change relative to siNegative transfected cells, No TRAIL)										Caspase 3/7 assay (Fold change relative to siNegative transfected cells, No TRAIL)										Cell viability assay (Fold change relative to siNegative transfected cells, No TRAIL)									
		NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				1000 ng TRAIL (1 hour)						NO TRAIL				100 ng TRAIL (24 hour)			
		MEAN	STDev			MEAN	STDev					MEAN	STDev			MEAN	STDev					MEAN	STDev			MEAN	STDev		
Cells only		0.98	0.18			1.99	0.60			Cells only		1.10	0.57			5.98	1.52			Cells only		1.06	0.06			0.64	0.05		
siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.10			2.50	0.77			siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.22			7.10	1.59			siNeg	CONTROLS (Kinase & Additional gene set)	1.00	0.07			0.47	0.05		
siCASP8		1.03	0.17			1.39	0.39			siCASP8		1.13	0.30			1.56	0.37			siCASP8		0.98	0.07			1.00	0.08		
siFLIP		1.06	0.21			3.03	0.84			siFLIP		1.39	0.34			10.58	2.08			siFLIP		0.93	0.05			0.26	0.03		
siCelldeath		1.42	0.35			2.69	0.73			siCelldeath		4.73	1.13			18.81	4.53			siCelldeath		0.15	0.06			0.04	0.04		
Cells only	CONTROLS (Phosphatase set)	NA	NA			NA	NA			Cells only	CONTROLS (Phosphatase set)	1.03	0.29			4.84	1.20			Cells only	CONTROLS (Phosphatase set)	1.09	0.11			0.65	0.16		
siNeg		NA	NA			NA	NA			siNeg		1.00	0.21			5.37	1.30			siNeg		1.00	0.06			0.56	0.13		
siCASP8		NA	NA			NA	NA			siCASP8		1.14	0.21			2.38	0.64			siCASP8		1.06	0.10			0.95	0.10		
siFLIP		NA	NA			NA	NA			siFLIP		1.23	0.28			7.54	1.07			siFLIP		1.06	0.17			0.38	0.07		
siCelldeath		NA	NA			NA	NA			siCelldeath		3.91	0.99			11.50	2.18			siCelldeath		0.57	0.17			0.18	0.11		
Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Gene Set	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D	Gene Symbol	Category	siRNA A	siRNA B	siRNA C	siRNA D	siRNA A	siRNA B	siRNA C	siRNA D
BCL7A	Additional gene	0.83	0.96	1.03	1.14	1.51	2.22	3.02	2.59	BCL7A	Additional gene	1.54	0.99	1.13	1.24	10.72	8.83	11.21	8.93	BCL7A	Additional gene	0.98	0.87	0.94	0.96	0.45	0.40	0.54	0.43
BCL9	Additional gene	0.83	0.86	1.15	0.93	2.46	2.84	3.47	2.59	BCL9	Additional gene	1.88	1.45	1.03	1.02	14.41	6.75	16.38	4.36	BCL9	Additional gene	1.04	1.00	0.94	1.00	0.46	0.52	0.45	0.76
BIRC2	Additional gene	0.98	1.09	0.95	1.03	2.30	2.38	3.00	3.24	BIRC2	Additional gene	1.50	0.79	1.09	1.98	12.11	11.82	13.52	20.61	BIRC2	Additional gene	0.88	0.94	1.03	0.93	0.37	0.37	0.58	0.18
BIRC3	Additional gene	0.91	1.01	0.99	1.03	1.59	4.17	2.81	3.38	BIRC3	Additional gene	2.30	1.42	1.43	1.64	12.35	13.15	8.38	19.58	BIRC3	Additional gene	1.03	1.06	0.98	0.96	0.51	0.35	0.62	0.30
BIRC4	Additional gene	NA	1.56	1.16	1.26	1.92	2.93	3.78	2.36	BIRC4	Additional gene	2.33	1.48	1.21	1.25	11.78	10.59	10.16	4.98	BIRC4	Additional gene	1.06	1.05	1.07	0.75	0.11	0.10	0.51	0.12
BIRC5	Additional gene	NA	0.88	0.93	0.97	1.78	2.33	2.71	2.90	BIRC5	Additional gene	1.38	1.37	1.34	0.92	16.80	7.11	10.04	7.64	BIRC5	Additional gene	0.77	0.99	1.06	0.94	0.15	0.45	0.49	0.45
CCND1	Additional gene	0.85	0.91	1.05	1.06	1.97	2.51	2.97	2.14	CCND1	Additional gene	2.00	1.12	1.23	1.29	12.16	7.08	9.88	6.25	CCND1	Additional gene	1.00	0.92	0.83	0.76	0.51	0.47	0.52	0.44
FAS	Additional gene	0.77	1.08	0.91	1.07	1.91	2.96	2.75	2.14	FAS	Additional gene	2.52	1.14	1.43	1.06	12.82	10.86	11.45	4.56	FAS	Additional gene	0.94	1.04	1.01	0.98	0.42	0.45	0.67	0.77
FASLG	Additional gene	NA	1.95	1.03	1.59	2.29	4.21	2.75	3.25	FASLG	Additional gene	1.41	1.04	0.99	1.25	12.24	8.78	3.42	7.57	FASLG	Additional gene	0.99	0.96	0.88	0.86	0.35	0.41	0.86	0.32
FXR2	Additional gene	0.95	1.09	1.04	1.29	2.35	2.45	2.98	3.29	FXR2	Additional gene	1.07	1.49	1.18	2.35	11.98	9.47	5.82	21.68	FXR2	Additional gene	0.91	0.86	0.84	0.63	0.31	0.39	0.72	0.21
JAG1	Additional gene	NA	0.85	1.03	0.98	1.72	2.68	3.10	2.63	JAG1	Additional gene	1.45	1.30	1.40	1.45	11.43	5.55	7.97	8.41	JAG1	Additional gene	1.02	1.11	1.17	0.78	0.49	0.79	0.60	0.32
KIF1A	Additional gene	NA	1.94	1.47	1.31	1.96	3.25	3.21	3.86	KIF1A	Additional gene	1.77	1.00	2.58	1.27	10.60	11.30	26.83	16.83	KIF1A	Additional gene	0.85	0.89	0.75	0.81	0.27	0.26	0.27	0.21
KLK3	Additional gene	0.77	0.96	1.03	1.06	1.99	3.03	3.19	3.06	KLK3	Additional gene	1.63	1.83	1.08	1.08	8.75	17.25	20.14	9.64	KLK3	Additional gene	0.99	0.76	1.01	0.80	0.49	0.27	0.29	0.23
NROB1	Additional gene	0.80	1.07	0.96	1.04	1.53	2.92	2.49	3.46	NROB1	Additional gene	2.00	1.48	0.93	1.57	4.09	11.22	10.51	18.46	NROB1	Additional gene	1.06	0.77	0.94	0.79	0.77	0.21	0.57	0.12
PARP1	Additional gene	0.87	0.91	1.01	1.04	1.66	2.66	2.50	3.00	PARP1	Additional gene	2.00	1.11	1.76	1.06	7.24	6.88	10.88	7.43	PARP1	Additional gene	0.99	0.95	0.83	0.96	0.60	0.70	0.45	0.49
PARP4	Additional gene	0.69	1.08	1.00	1.11	2.10	2.90	3.40	2.93	PARP4	Additional gene	3.65	1.35	1.29	1.42	17.67	11.37	13.08	10.10	PARP4	Additional gene	1.11	0.93	0.96	0.97	0.38	0.25	0.35	0.55
RHOA	Additional gene	0.78	0.93	1.00	0.98	1.87	2.61	2.72	2.66	RHOA	Additional gene	1.87	1.24	1.27	1.01	7.77	8.20	12.69	6.98	RHOA	Additional gene	0.71	0.68	0.77	0.84	0.44	0.39	0.50	0.52
RHOB	Additional gene	NA	1.79	1.24	1.22	1.94	4.11	3.20	3.53	RHOB	Additional gene	1.84	1.61	1.17	1.23	12.26	9.10	7.46	12.08	RHOB	Additional gene	1.03	0.95	1.03	0.90	0.52	0.33	0.55	0.35
RHOC	Additional gene	NA	0.94	0.96	1.01	1.82	1.93	2.39	2.04	RHOC	Additional gene	1.36	0.93	1.10	1.78	11.13	7.49	7.77	8.65	RHOC	Additional gene	0.96	1.05	1.08	0.84	0.51	0.54	0.53	0.44
SERPINA3	Additional gene	0.98	1.10	1.06	0.98	2.08	2.37	2.83	3.05	SERPINA3	Additional gene	1.74	0.93	1.01	0.82	12.43	7.08	5.87	9.88	SERPINA3	Additional gene	0.93	0.97	1.03	0.95	0.38	0.58	0.68	0.22
SERPINC1	Additional gene	0.93	1.10	1.04	1.05	2.01	2.81	3.17	2.12	SERPINC1	Additional gene	2.08	1.08	1.22	1.27	10.66	7.53	10.19	3.66	SERPINC1	Additional gene	1.03	0.97	0.84	0.91	0.52	0.54	0.54	0.77
SLC25A4	Additional gene	NA	0.92	1.09	1.04	1.46	2.37	2.53	2.42	SLC25A4	Additional gene	1.30	1.28	1.09	0.97	6.17	12.02	11.43	6.74	SLC25A4	Additional gene	0.98	0.93	1.09	0.85	0.74	0.20	0.46	0.27
SLC25A5	Additional gene	1.07	0.95	1.02	1.03	1.70	3.17	3.01	2.67	SLC25A5	Additional gene	1.40	1.30	1.14	3.23	9.70	13.85	8.45	7.01	SLC25A5	Additional gene	1.03	0.93	0.92	1.01	0.52	0.43	0.70	0.72
SLC25A6	Additional gene	1.10	0.98	1.05	1.09	2.43	2.73	2.96	3.28	SLC25A6	Additional gene	1.71	1.10	1.42	1.04	18.25	9.46	12.90	7.95	SLC25A6	Additional gene	0.91	0.90	0.85	0.98	0.42	0.41	0.51	0.57
STS	Additional gene	0.96	1.06	1.05	1.09	2.00	2.95	3.30	3.16	STS	Additional gene	2.12	1.37	1.51	0.96	9.02	10.15	9.10	8.55	STS	Additional gene	0.90	0.81	0.86	0.95	0.53	0.38	0.48	0.39
TNFRSF17	Additional gene	NA	1.36	1.71	1.06	2.17	3.30	4.24	2.70	TNFRSF17	Additional gene	1.62	0.96	1.00	1.08	11.21	9.73	11.98	8.67	TNFRSF17	Additional gene	1.00	1.07	0.76	0.96	0.36	0.38	0.13	0.29
TRIM23	Non-kinase	0.84	1.10	1.04	1.05	2.13	3.94	3.43	3.53	TRIM23	Additional gene	1.48	1.00	1.35	4.45	10.63	9.29	9.61	13.33	TRIM23	Additional gene	1.01	1.10	0.82	0.96	0.55	0.55	0.63	0.47