Supplemental Table 3. Validation screen utilizing the custom siRNA library. The table contains the average γH2AX, EdU, and RRS values for each siRNA tested. Also included are the RRS log 2 ratio (compared to NT control), and the FDR p-value. The screen was performed in triplicate.

Gene Symbol	Gene ID	siRNA Sequence	Plate ID	Well Name	Total #cells	γH2AX Average	EdU Average	RRS Average	RRS log2ratio	RRS wilcox.pFDR	RRS Validated (p-value<=.01)	# siRNAs per gene validated
ABCB8	11194	CAACCUCUCUGUCCUGUUU	Plate 1	M19	213	211.33	199.37	2.171164126	0.926584581	6E-39	1	1
ABCB8	11194	GCUUCGAGGUGCUGAAAGA	Plate 1	N19	1260	93.95	358.52	0.475237781	-1.265162769	0.14283584	0	
ABCB8	11194	CAACACGGUCGUCGGUGAA	Plate 1	O19	1286	110.25	385.99	0.498883751	-1.195108622	0.131337828	0	
ABCB8	11194	CUGUGUGAUGAUACGGCAA	Plate 1	P19	464	50.15	195.91	0.39391805	-1.535916776	0.010501413	0	
ABCC10	89845	GCAGAGCCAUCUACAGUAU	Plate 4	E15	964	79.69	262.52	0.824950615	-0.485905706	1.31E-14	0	1
ABCC10	89845	GUUGUCAUCUCCAUCGUUA	Plate 4	F15	1467	46.05	239.93	0.340028141	-1.764559311	0.000202065	0	
ABCC10	89845	CGGCAAGUCUUCCCUGUUG	Plate 4	G15	34	70.72	120.47	1.480929849	0.358217935	7.69E-08	1	
ABCC10	89845	UGAGUGAGGUGAUUACAUC	Plate 4	H15	1011	45.52	170.53	0.593582257	-0.960765493	0.0000014	0	
ABCC5	10057	CGACAUAGGAAAAGAGUAU	Plate 2	E11	194	146.19	414.19	1.425942615	0.243443715	0.000132778	1	3
ABCC5	10057	UGCGAAGGGUUGUGUGGAU	Plate 2	F11	681	201.23	116.86	2.135094868	0.825827965	4.81E-102	1	
ABCC5	10057	AGAACUCGACCGUUGGAAU	Plate 2	G11	631	116.10	227.34	1.124676017	-0.098962741	8.2E-21	0	
ABCC5	10057	CUGAAGCCCAUCCGGACUA	Plate 2	H11	1033	277.38	176.79	4.17570928	1.793549064	2.6E-65	1	
ACIN1	22985	GGAAAGGGACCGAGAACGA	Plate 5	M13	661	94.16	333.02	0.460733466	-1.291923231	0.800035994	0	0
ACIN1	22985	AGGAUGAGACAGAGCGUAA	Plate 5	N13	1009	74.48	236.55	0.528310446	-1.09446969	1.77E-18	0	
ACIN1	22985	GCAGAACGGGAACGGGAAA	Plate 5	O13	848	121.31	381.94	0.490379977	-1.201955553	0.019734357	0	
ACIN1	22985	GGACUCGAUCAGAGCGUGA	Plate 5	P13	889	48.92	306.18	0.267740351	-2.075021045	0.11136743	0	
ACSM2B	348158	GGGAUUAACUUGCAUGGUU	Plate 4	M9	1470	122.66	346.53	0.700585655	-0.721652014	0.000221217	0	2
ACSM2B	348158	GGACAUCCGAGAAUUCUAU	Plate 4	N9	1135	167.51	190.23	1.686264753	0.545545698	5.65E-38	1	
ACSM2B	348158	GACACAGGUUGGAUACUGA	Plate 4	O9	760	184.87	389.17	0.795489815	-0.538370002	0.62613079	0	
ACSM2B	348158	AGUGGAAGAUGUCCGGAAA	Plate 4	P9	1404	149.05	171.58	1.739230411	0.590163704	1.96E-40	1	
ADAM29	11086	GAAAGGAGGUCAAUGAAUG	Plate 1	E6	231	134.51	346.91	0.955517498	-0.25753001	0.000000455	0	0
ADAM29	11086	GAAAUAACAUGCCGAAUGG	Plate 1	F6	1404	135.87	371.62	0.631931255	-0.854044679	0.013850082	0	
ADAM29	11086	UGACAGAAAUUCCCAAUAU	Plate 1	G6	684	94.58	219.68	1.034073321	-0.143545724	1.11E-28	0	
ADAM29	11086	GGAAAUCUGUGCACCUGUA	Plate 1	H6	1721	119.41	320.41	0.708860647	-0.688310261	1.35E-10	0	
AGXT2L1	64850	GAAAGAAGCCCACAUAGAA	Plate 3	M17	1216	36.11	136.25	0.585515007	-0.944117168	2.35E-20	0	0
AGXT2L1	64850	GAAAGUGGCAGAAUAUGUA	Plate 3	N17	1175	48.82	404.96	0.360862983	-1.642372155	0.000000196	0	
AGXT2L1	64850	GCUCUGGGAUGGAAUAUUU	Plate 3	O17	1012	80.29	442.21	0.315715722	-1.835197213	8.56E-86	0	
AGXT2L1	64850	GUUUAUAGCUGAUGAAGUU	Plate 3	P17	773	40.08	343.86	0.346540644	-1.700798748	1.1E-41	0	
AHCY	191	UCAAGUGGCUCAACGAGAA	Plate 5	A16	1092	85.37	317.54	0.499992043	-1.173950492	0.012196599	0	2
AHCY	191	GAGCAGACCCUGUACUUCA	Plate 5	B16	1043	71.75	345.13	0.375817984	-1.585821521	0.082828384	0	
AHCY	191	GGACCCAUCCAGACAAGUA	Plate 5	C16	182	297.58	107.84	5.068290565	2.167571705	2.14E-44	1	
AHCY	191	GCGAAACGGACGAGGAGUA	Plate 5	D16	287	74.42	152.48	1.551560915	0.459792807	1.76E-41	1	
AIRE	326	GAAGAAUGAGGACGAGUGU	Plate 6	E3	1456	68.84	330.99	0.419032591	-1.470290468	0.006172785	0	2
AIRE	326	GUGCUGCGGUGUACUCACU	Plate 6	F3	586	155.27	115.44	3.053162374	1.394879486	4.86E-86	1	
AIRE	326	UGGAGUCCCUUCUGAGCGA	Plate 6	G3	803	82.58	278.36	0.638682347	-0.862254349	3.29E-19	0	
AIRE	326	CAACAGUCCAGGAGGUGCA	Plate 6	H3	829	197.03	162.25	2.529755242	1.123572978	2.24E-88	1	
AKAP8L	26993	GCAAAUACCGGACCUUCUA	Plate 1	M4	751	58.51	482.74	0.277806784	-2.039730472	1.38E-08	0	0
AKAP8L	26993	GAAAGGAUCCAGUUUGUGU	Plate 1	N4	1335	127.46	348.33	0.807248002	-0.500800337	7.68E-11	0	
AKAP8L	26993	UAGAUAUGGUGCCGCAUUU	Plate 1	O4	1088	62.22	192.98	0.820054547	-0.478092427	2.53E-14	0	
AKAP8L	26993	GGUAUGGUAUGGCCACUUC	Plate 1	P4	80	78.26	160.96	1.132555867	-0.012301989	1.49E-15	0	
AKR1C1	1645	AAACAGAAAUGUGCGAUAU	Plate 4	A5	908	144.68	133.61	1.666197968	0.528274456	5.23E-72	1	3
AKR1C1	1645	CGAUAUUUGACCCUUGAUA	Plate 4	B5	1413	81.39	364.19	0.414609437	-1.478460509	3.76E-29	0	
AKR1C1	1645	CGAAAUAUCAGUGUGUGAA	Plate 4	C5	1158	323.73	98.25	8.595767371	2.895341072	6.92E-220	1	
AKR1C1	1645	GCACCUAUGCGCCUGCAGA	Plate 4	D5	522	193.55	281.66	1.631271978	0.497711972	0.000000695	1	
ALB	213	GCAGAUAUAUGCACACUUU	Plate 2	A10	1177	115.97	511.02	0.645655177	-0.899636428	5.83E-18	0	1
ALB	213	GCAAGAAGGCAUCCUGAUU	Plate 2	B10	349	433.13	419.17	1.970067741	0.709773029	4.53E-28	1	
ALB	213	GAUUCGAUCUCCAGUAAAC	Plate 2	C10	1144	133.47	442.08	0.514764913	-1.226486582	1.45E-08	0	
ALB	213	GGGUGUGUUUCGUCGAGAU	Plate 2	D10	814	131.88	439.70	0.645218543	-0.900612402	0.000000001	0	
ALKBH5	54890	UGAAAUCACUCACUGCAUA	Plate 1	E8	1621	136.22	735.22	0.349822516	-1.707189153	2.98E-82	0	1
ALKBH5	54890	GAACUACUGGCGCAAGUCA	Plate 1	F8	142	100.25	206.50	1.113550463	-0.036717269	4.96E-23	0	
ALKBH5	54890	GAGAACUACUGGCGCAAGU	Plate 1	G8	1217	134.49	305.63	0.650361356	-0.812570765	2.57E-26	0	
ALKBH5	54890	GGGCCAAGCGCAAGUAUCA	Plate 1	H8	35	95.40	160.70	2.113991981	0.888085697	8.29E-10	1	
ALPL	249	CUAAGAAUGUCAUCAUGUU	Plate 4	E13	669	29.67	311.63	0.375052764	-1.62311989	3.49E-13	0	0
ALPL	249	CCUACCAGCUCAUGCAUAA	Plate 4	F13	290	101.78	282.19	0.620579492	-0.89659744	8.78E-11	0	
ALPL	249	GGACUAUGCUCACAACAAC	Plate 4	G13	354	75.52	351.02	0.499607786	-1.209417502	0.000365756	0	
ALPL	249	CAAGAGACACUGAAAUAUG	Plate 4	H13	813	101.84	310.38	0.64398657	-0.843182861	0.001380771	0	
ALPP	250	CGGAAACGGUCCAGGCUAU	Plate 4	E10	73	107.88	330.81	1.205770923	0.061670477	0.000000291	1	3
ALPP	250	CCUACACGGUCCUCCUAUA	Plate 4	F10	892	283.43	283.48	1.319806798	0.192041387	3.34E-74	1	
ALPP	250	GCACAGACAGCCGCCAAGA	Plate 4	G10	200	97.61	166.04	1.177233757	0.02711545	1.63E-08	1	
ALPP	250	CUACGCAGCUCAUCUCCAA	Plate 4	H10	169	68.03	201.37	0.750098853	-0.623132726	3.26E-10	0	
ALS2CL	259173	GGACACUGAUGCUGACCUU	Plate 5	A5	636	128.94	479.46	0.603101847	-0.903453973	0.191345713	0	1
ALS2CL	259173	GAGCCGAGAUCCACCUGAU	Plate 5	B5	42	193.77	423.21	2.211060036	0.970810667	0.000446041	1	
ALS2CL	259173	GGCACGGUGUCGAGGGUAU	Plate 5	C5	370	44.18	655.17	0.261351688	-2.109863148	1.48E-32	0	
ALS2CL	259173	ACUCAUGCUUACCGGGACU	Plate 5	D5	1414	102.28	299.50	0.609048816	-0.88929776	0.455712194	0	
ANKMY2	57037	GCAAGAAUGUUCGUGUCAA	Plate 5	A4	711	443.05	246.05	2.929982064	1.376964301	1.23E-123	1	3
ANKMY2	57037	GAGCCGAUGUAAAUUGUCA	Plate 5	B4	686	195.51	217.57	1.866095222	0.726095073	1.79E-58	1	
ANKMY2	57037	CACACUGGUUUACUCAUAA	Plate 5	C4	249	177.15	185.06	1.702080809	0.593372001	4E-28	1	
ANKMY2	57037	CGAUAUGUGCAAAUUACUA	Plate 5	D4	1419	194.77	401.69	0.779235445	-0.533796325	0.055527627	0	
ANKRD55	79722	GAAGUGAGCAGGAUUUAUU	Plate 1	A20	504	55.80	158.15	0.596278049	-0.937827074	0.511427322	0	1
ANKRD55	79722	GAGAGACGGUUCAACGUGC	Plate 1	B20	1609	144.70	279.95	1.006663834	-0.182302219	8.29E-38	0	
ANKRD55	79722	GCGGACAAACCGAGUGCUU	Plate 1	C20	553	139.71	247.41	0.805759176	-0.503463589	0.00000243	0	
ANKRD55	79722	AGAAACCGCUGGCCCGUAA	Plate 1	D20	930	153.03	120.74	2.22272567	0.960445694	1.6E-165	1	
ANKS3	124401	GGAGAGAGUUAGAUUUGAA	Plate 2	A17	511	39.15	291.15	0.550388503	-1.129949971	0.000004	0	1
ANKS3	124401	GAGCCGAUAUGUGGAUUUA	Plate 2	B17	101	128.80	279.14	1.125347876	-0.098101162	2.68E-14	0	
ANKS3	124401	GAAAUUGGCAUCACGCUGU	Plate 2	C17	1520	93.74	217.12	0.948983664	-0.344017051	3.15E-28	0	
ANKS3	124401	GCAACGAGAGCAUCGCCUA	Plate 2	D17	684	171.81	76.65	3.914778788	1.700458579	5.83E-138	1	
ANO10	55129	AGACAUUGAUGCUACAUUA	Plate 3	E6	1125	155.11	337.79	1.820406513	0.692365432	0.085368242	0	0
ANO10	55129	GUAAAAGAGUGCAAUGAUA	Plate 3	F6	1537	90.91	283.82	0.559146706	-1.010596458	0.560766721	0	
ANO10	55129	GAUGAUUACUUGGAGUUAU	Plate 3	G6	1213	215.77	336.69	1.057178274	-0.09167654	2.27E-18	0	
ANO10	55129	GCAUCGUGAUUCAGGUGUU	Plate 3	H6	1591	95.22	220.09	0.781952111	-0.526743061	1.96E-18	0	
ANO9	338440	CGGCGCAACUACCUUCUGA	Plate 4	E9	1059	63.10	175.34	0.696868747	-0.729326509	1.58E-44	0	2
ANO9	338440	CCCGAGUGGUCUACAAGUA	Plate 4	F9	361	128.31	111.54	1.307809274	0.178866792	2.48E-49	1	
ANO9	338440	GCACGGUGGUGUUCGCCAU	Plate 4	G9	718	64.23	98.98	1.282400559	0.150561592	8.68E-76	1	
ANO9	338440	GUACGUGUGGGACGAGGAA	Plate 4	H9	89	112.88	196.26	1.035770441	-0.157581076	3.47E-13	0	
ANXA4	307	GAUGAGGGCUGCCUAAUUG	Plate 1	M13	598	56.77	657.30	0.206177328	-2.469926603	1.49E-25	0	2
ANXA4	307	GAACCGAAAUCACCUGUUG	Plate 1	N13	26	106.70	45.68	1.926615447	0.754184431	0.00000119	1	
ANXA4	307	GAGCAGAAAUUGACAUGUU	Plate 1	O13	44	108.75	161.44	2.238700941	0.97077761	1.72E-11	1	
ANXA4	307	CGAUGAAGACGCCAUUAUU	Plate 1	P13	499	101.89	145.68	1.090613274	-0.066744587	6.81E-12	0	
APCDD1	147495	GCUCAAACAUCUCCACAAU	Plate 2	A21	26	93.90	415.01	0.659972116	-0.867995232	0.002227763	0	2
APCDD1	147495	CUUCAAGGCCUACCAAUUU	Plate 2	B21	168	51.33	78.17	1.451023	0.268598179	2.74E-52	1	
APCDD1	147495	CAAACUACCUCACACGGAG	Plate 2	C21	1261	49.85	269.00	0.310489191	-1.95585726	0.053533276	0	
APCDD1	147495	GCCCAGAGUUCAUCACAAG	Plate 2	D21	1355	149.41	191.34	1.323150632	0.135505104	1.88E-38	1	
AQP6	363	GGGCUGCUCUGCUUUAUGG	Plate 3	E19	1279	112.99	153.24	1.292692866	0.19848432	1.86E-36	1	2
AQP6	363	CCACAGCACUUCCCUCCGU	Plate 3	F19	192	153.14	299.61	1.323416253	0.23237168	0.000269459	1	
AQP6	363	CGAGAGACCCUUGGGAUCA	Plate 3	G19	770	65.18	208.62	0.74030035	-0.605712605	0.015700422	0	
AQP6	363	CCUCACUGAUCUACAACUU	Plate 3	H19	15	47.20	170.08	0.93826439	-0.263828804	0.002393205	0	
ARID1B	57492	CCACAGCGGUAUCCAAUUG	Plate 5	M6	571	97.27	261.53	1.126879506	-0.001594272	5.51E-64	0	3
ARID1B	57492	GUAUGGACCUCAACAGACA	Plate 5	N6	510	194.76	124.76	6.112981027	2.437948557	3.87E-96	1	
ARID1B	57492	GGCGAAAGAUUACCUCCAA	Plate 5	O6	67	147.84	305.62	1.703020352	0.594168144	0.00000228	1	
ARID1B	57492	GGCGUGAGCUGGCAACCAA	Plate 5	P6	711	83.53	194.82	1.190878398	0.078098574	1.53E-50	1	
ARL4D	379	AAGCCAAGGUGGAGUUGCA	Plate 2	E7	19	297.44	146.92	2.480561117	1.042194295	0.00000162	1	1
ARL4D	379	AGGAGUUUGUCCAGAGUGU	Plate 2	F7	800	111.63	324.06	0.956919447	-0.332002819	0.020219913	0	
ARL4D	379	GCGCUGCUGAGGUGGAGAA	Plate 2	G7	561	166.80	229.33	1.029420641	-0.226639593	1.6E-56	0	
ARL4D	379	GGCUGGACUCUGCUGGAAA	Plate 2	H7	1084	202.90	426.46	0.760125784	-0.664162132	0.919780248	0	
ARL5A	26225	GUACAUACAUCUCCUACAA	Plate 4	I3	136	207.95	366.25	1.818895054	0.654776938	7.26E-09	1	2
ARL5A	26225	GAAGUAAUGUAGAAGAGAU	Plate 4	J3	603	59.87	196.58	0.824102616	-0.487389472	3.76E-11	0	
ARL5A	26225	UGGAUGAUGUCACGACUUA	Plate 4	K3	1278	201.15	154.89	2.745284173	1.248670128	3.83E-43	1	

ARL5A	26225	GCGCAUGAGGACCUAAGAA	Plate 4	L3	776	84.56	191.24	1.108420539	-0.059780019	2.45E-09	0	
ATF6B	1388	GAACCUGUCUCUCCAUGUU	Plate 4	A7	154	210.23	313.76	1.363237416	0.238751471	2.74E-08	1	2
ATF6B	1388	GAAGAAGUCACCUCCAGUU	Plate 4	B7	92	258.50	245.72	1.924413789	0.736133674	1.24E-22	1	
ATF6B	1388	GCUAACCACUGUCCCAAUG	Plate 4	C7	836	67.94	189.83	0.728463542	-0.665356693	0.00000291	0	
ATF6B	1388	GAGGCUUGCUGACGAGUUG	Plate 4	D7	1175	63.56	213.54	0.515517384	-1.164192383	0.318309735	0	
ATP5G3	518	GCUCUACGGUAUUUAAUGG	Plate 1	I3	1388	106.07	357.18	0.509587907	-1.16448126	0.031796249	0	0
ATP5G3	518	CAGCAGAGACAUUGAUACU	Plate 1	J3	1011	107.41	226.22	0.928860766	-0.298349946	0.031316596	0	
ATP5G3	518	AGAGUUGCAUACAGACCAA	Plate 1	K3	461	80.59	226.37	0.92049812	-0.311397527	1.95E-13	0	
ATP5G3	518	CAGCUAAUCCAAAGGGAGU	Plate 1	L3	1391	119.67	293.05	0.772220235	-0.564799943	1.35E-22	0	
BAT5	7920	GGAAAGGUUACUUGAGUUU	Plate 1	M5	1331	94.78	379.17	0.425543664	-1.424505131	0.010493429	0	0
BAT5	7920	UCACUAUGCUGGGACAUUG	Plate 1	N5	1474	133.29	400.84	0.662978992	-0.784849145	0.150872054	0	
BAT5	7920	CGGAACCAGUCUUCAGAAA	Plate 1	O5	457	165.18	529.81	1.111947166	-0.038795967	0.075193634	0	
BAT5	7920	GCUCCUGGGAUACGUACUA	Plate 1	P5	1310	221.15	436.87	1.056442496	-0.112669966	0.140141073	0	
BDH2	56898	GAACUGUCCUGGAUUGUGA	Plate 1	M18	1356	106.72	296.05	0.679753766	-0.748800062	2.62E-12	0	1
BDH2	56898	UGAUGAAUCUGCUUAUGUA	Plate 1	N18	1467	136.20	352.36	0.718130762	-0.669565739	0.00186365	0	
BDH2	56898	GACUUGAUGUUCUCUUUAA	Plate 1	O18	734	80.18	358.39	0.539553209	-1.082047062	1.11E-21	0	
BDH2	56898	GCAAUAUUAUCAACAUGUC	Plate 1	P18	747	197.50	371.00	1.384545725	0.277528493	5.49E-18	1	
BEND3	57673	CAACUGAAAUUCACCGAAGA	Plate 4	M11	909	223.50	332.29	1.175663455	0.025189767	8.53E-13	1	4
BEND3	57673	GCAACUAUGUGGAGGUCUA	Plate 4	N11	1300	203.41	86.61	4.646313194	2.007801038	1.09E-297	1	
BEND3	57673	GGUCAGCGAUGGCCUGCUA	Plate 4	O11	135	99.45	177.33	1.766711813	0.612781358	7.27E-14	1	
BEND3	57673	CCGCAGAGCUCAAGCAGAU	Plate 4	P11	308	257.17	369.58	1.854380069	0.682651598	7.52E-13	1	
BMP3	651	GAAAAGGACUGUAUAUCUU	Plate 5	E15	1219	76.50	383.51	0.342953282	-1.717843564	1.02E-48	0	0
BMP3	651	GAAAAGAUGUCCUCACUCA	Plate 5	F15	1075	29.62	257.13	0.259595827	-2.119588432	0.0000301	0	
BMP3	651	CAAGGUCUCUGAACACAUG	Plate 5	G15	332	34.26	229.80	0.71356509	-0.660810591	0.000000099	0	
BMP3	651	GGAUUGAACCUCGGAAUUG	Plate 5	H15	752	24.21	262.90	0.521556366	-1.113032451	0.003463579	0	
BOK	666	GGCCCAGCGUCUACCGCAA	Plate 2	M4	1523	105.93	271.83	0.845750251	-0.510168603	9.58E-10	0	2
BOK	666	AGAUCAUGGACGCCUUUGA	Plate 2	N4	1344	156.90	178.71	1.53030162	0.345343825	4.98E-100	1	
BOK	666	GAUGGACUGAUGUCCUCAA	Plate 2	O4	599	312.92	358.50	2.373056197	0.978274057	1.22E-11	1	
BOK	666	GGAGCGCGCCCGAGCGUGC	Plate 2	P4	1296	67.67	360.50	0.325000439	-1.889958636	7.44E-31	0	
C11orf45	219833	GGAUGUGCAUGCCAUAGUA	Plate 1	E13	855	213.40	168.83	2.147837588	0.911000699	1.99E-69	1	1
C11orf45	219833	GAGGAGAACUCAAUCUGCA	Plate 1	F13	1051	134.94	279.70	0.798314698	-0.516854728	1.67E-14	0	
C11orf45	219833	GCUGAGCUCUGCCGUCUAC	Plate 1	G13	1315	101.92	161.11	1.091735657	-0.06526063	1.84E-75	0	
C11orf45	219833	GACAACGUGCUGAUGCCUA	Plate 1	H13	648	49.56	468.15	0.235187714	-2.279999603	4.66E-24	0	
C12orf54	121273	AGACACAGCUCUUCAGUCA	Plate 1	A7	217	143.99	213.02	0.969250603	-0.236942574	1.68E-21	0	2
C12orf54	121273	GCAGAGAAGCACAUCCAUA	Plate 1	B7	891	177.63	273.24	1.023008353	-0.159066283	4.52E-37	0	
C12orf54	121273	UUACUACCCUGGACCCUAA	Plate 1	C7	1235	231.79	277.18	1.81093937	0.664854039	5.97E-46	1	
C12orf54	121273	ACAAUGAGACCACAGGAAA	Plate 1	D7	1237	217.92	367.15	1.243004733	0.121947583	2.04E-25	1	
C14orf39	317761	GUUCACAUAUUACGACUAU	Plate 5	A12	1138	342.77	272.42	2.617864492	1.214462889	1.13E-120	1	1
C14orf39	317761	CGUCUGAAAUUCCUAUAUU	Plate 5	B12	129	185.62	837.38	0.761917555	-0.566220731	0.241621161	0	
C14orf39	317761	GAGUUAUACUUCUAGAUCA	Plate 5	C12	1320	46.29	229.99	0.374287027	-1.591710584	2.51E-21	0	
C14orf39	317761	UAGGAUACACGAAACUAUA	Plate 5	D12	1434	60.24	451.94	0.22317378	-2.337688088	1.29E-109	0	
C14orf80	283643	GGUGCUACGUCGACUACAG	Plate 4	I7	245	101.24	132.50	1.938577952	0.746713381	3.01E-15	1	3
C14orf80	283643	CGAGUUGGACCUGGUAGUG	Plate 4	J7	704	95.13	258.19	0.896841141	-0.365360102	1.45E-24	0	
C14orf80	283643	GCUGGUGAGACGAGAGGAU	Plate 4	K7	51	194.00	222.42	1.721392396	0.575290633	0.000000851	1	
C14orf80	283643	AUGCAGAGCCCACGUCACA	Plate 4	L7	1102	121.72	105.91	2.380496812	1.042977329	1.28E-137	1	
C16orf57	79650	GAGAAAACCAGGACCUUUA	Plate 6	M3	496	141.69	517.98	0.590898176	-0.974443379	0.052215786	0	2
C16orf57	79650	AAUUCAACCUCACCACUUU	Plate 6	N3	68	111.79	124.91	2.323802025	1.001062334	4.78E-23	1	
C16orf57	79650	AGGCAGAGAUUUCCAGUAC	Plate 6	O3	271	157.04	389.92	1.197297643	0.044357013	4.87E-24	1	
C16orf57	79650	CGUAUGACCUCCUUCCACA	Plate 6	P3	234	50.23	105.60	0.869651412	-0.416915693	4.17E-28	0	
C16orf73	254528	CUACACAGUUGAACAAUUA	Plate 5	A10	214	336.16	168.29	4.787114664	2.085228831	7.31E-41	1	3
C16orf73	254528	CGAAAUAGAUGUUCCAGCU	Plate 5	B10	477	191.32	357.69	1.166091197	0.047753091	9.02E-15	1	
C16orf73	254528	CAGCAACUGUAAUCUCAAA	Plate 5	C10	1312	133.72	238.19	1.356569094	0.266034999	0.00000216	1	
C16orf73	254528	GCACGUUCGUUCUAUCACA	Plate 5	D10	910	29.99	435.62	0.339874441	-1.730853753	1.84E-23	0	
C17orf58	284018	GGCAGCAGGUAUAUUGUGA	Plate 5	I8	1507	229.74	172.39	2.512787938	1.155361391	5.3E-129	1	1
C17orf58	284018	CCACAUCUACCAUAAGAGA	Plate 5	J8	1491	72.22	230.40	0.662022789	-0.768974746	0.077946483	0	
C17orf58	284018	GUGAAAAGGUUUAAUCGAA	Plate 5	K8	1580	143.29	249.12	1.077452464	-0.066303311	1.01E-31	0	
C17orf58	284018	UAAGCCGUGUCCAGAGUUU	Plate 5	L8	696	138.44	375.36	0.630630427	-0.839060848	0.000612659	0	
C17orf90	339229	GCACGUGGCUGAUGAGAAC	Plate 4	E8	1008	26.12	265.66	0.245375631	-2.235221484	2.48E-26	0	0
C17orf90	339229	GGACAGACCACGUAGAGGU	Plate 4	F8	1425	44.81	270.56	0.281330106	-2.037949516	0.000998069	0	
C17orf90	339229	GGAGGUGGCAGCUUUCUUC	Plate 4	G8	1096	71.51	257.99	0.47047953	-1.296081507	0.019939242	0	
C17orf90	339229	ACAAACUGCUGCAUGAGUG	Plate 4	H8	1023	102.46	294.63	0.525037866	-1.137791987	0.000172603	0	
C19orf57	79173	GGACGCCUCUGACUUCGAA	Plate 1	A9	1361	108.29	352.43	0.688826753	-0.729671127	0.028451186	0	0
C19orf57	79173	GAACACCUACCAAGCAUUG	Plate 1	B9	267	33.97	145.51	0.530464697	-1.10655556	6.26E-20	0	
C19orf57	79173	GAACUCAUUCGGGAGGUUU	Plate 1	C9	940	116.04	585.26	0.455287941	-1.327033053	1.08E-20	0	
C19orf57	79173	CGAGUUAGGUGGCCAGAAC	Plate 1	D9	432	176.68	382.39	1.046068334	-0.126907108	3.76E-12	0	
C20orf152	140894	GGAGACAUAUGGUAACUUA	Plate 4	A19	1428	143.99	408.46	0.548723258	-1.074134735	0.000000617	0	2
C20orf152	140894	ACACGACCCUUGAUCCUGA	Plate 4	B19	722	242.27	244.60	2.14710103	0.89410471	1.6E-10	1	
C20orf152	140894	CCUGGGAAAUGAGUUGAUA	Plate 4	C19	1076	89.23	167.07	1.004121215	-0.202351929	8.92E-52	0	
C20orf152	140894	UGUUAAAGCUCAAUAUUGC	Plate 4	D19	1326	177.75	153.58	2.63492439	1.189476196	4.29E-55	1	
C22orf15	150248	GGGCACACCUUCUCCCUAA	Plate 3	I19	253	218.36	128.76	4.797041824	2.090249796	2.12E-51	1	2
C22orf15	150248	GAACCUGGAUGACCAUUAC	Plate 3	J19	370	88.97	561.47	0.337070862	-1.740771399	0.001646679	0	
C22orf15	150248	GAGCAAAGCCCCACUUCAA	Plate 3	K19	220	586.63	66.04	19.54420496	4.116773771	1.47E-82	1	
C22orf15	150248	ACAACUGGAGGAAGCGUAU	Plate 3	L19	1141	97.90	221.32	0.693004589	-0.700958412	5.42E-10	0	
C2orf69	205327	GCAGGUGACUAGCCAAAUU	Plate 3	M16	116	72.71	221.59	1.927532528	0.774859984	1.46E-20	1	3
C2orf69	205327	GAGAAUCACUUCAGGGUUC	Plate 3	N16	787	261.59	284.13	2.140725788	0.926204787	3.51E-08	1	
C2orf69	205327	CAGUAAAGGUUGUGUUGUU	Plate 3	O16	155	84.01	45.33	2.00672822	0.832950017	1.58E-44	1	
C2orf69	205327	GGAAGCAAUACUUGGGUUA	Plate 3	P16	967	96.82	350.18	0.467422454	-1.269096276	0.0000168	0	
CABIN1	23523	GAACACAGCCCACGAGUAU	Plate 2	I20	530	75.38	243.70	0.516737515	-1.220968678	5.28E-09	0	1
CABIN1	23523	GGAGAGAGCUUGCUGGCCA	Plate 2	J20	328	40.03	198.41	0.420370085	-1.518740299	0.0000149	0	
CABIN1	23523	GGAUUGAUUUGUCGGACUA	Plate 2	K20	1409	226.54	232.76	1.800808751	0.580172764	3.58E-93	1	
CABIN1	23523	GAUGUCAACCUCUGGUAUA	Plate 2	L20	1745	104.30	232.67	0.923327275	-0.383558199	0.003833729	0	
CACNA1S	779	GAAAUCAGAUCCUUAAACA	Plate 1	A19	680	102.99	367.55	0.473152712	-1.271506408	4.48E-08	0	0
CACNA1S	779	GCACGGCACUCAAGAUCAA	Plate 1	B19	1383	54.92	191.74	0.511444293	-1.159235192	2.59E-32	0	
CACNA1S	779	CCACUGAGGUGCUACAUUC	Plate 1	C19	417	123.37	448.37	0.798697762	-0.516162631	0.074080011	0	
CACNA1S	779	UCGAUGAGUUUGAAUCUAA	Plate 1	D19	1121	61.70	127.93	0.800357476	-0.513167786	7.01E-92	0	
CACNG6	59285	GGUCCAACUUCUUCCUGCA	Plate 3	E17	260	344.68	196.12	4.401496655	1.96609895	2.38E-34	1	3
CACNG6	59285	GGCCUGAUCCUGCUGUUGG	Plate 3	F17	977	265.39	186.14	2.490353261	1.144455184	1.02E-74	1	
CACNG6	59285	CCUACAAGGCCAACGGCAG	Plate 3	G17	145	139.91	203.45	1.129326929	0.003567971	6.33E-14	1	
CACNG6	59285	AGUUCUGGGUGGAGCUCAA	Plate 3	H17	991	39.33	494.45	0.188241524	-2.58123841	1.89E-88	0	
CAD	790	GAGGGUCUCUUCUUAAGUA	Plate 5	M5	625	133.08	672.98	0.570569832	-0.983452158	2.16E-16	0	1
CAD	790	GGAAGGAGAUUGAGUACGA	Plate 5	N5	602	81.33	302.87	0.839116326	-0.426984803	0.633423912	0	
CAD	790	CCAACAGAUAAGCGGAUUU	Plate 5	O5	794	164.84	271.27	1.323336651	0.230252592	5.67E-23	1	
CAD	790	AUUAAGACUCCACGGGUAU	Plate 5	P5	1247	122.99	299.27	0.874198141	-0.367895316	0.001853697	0	
CAMK1	8536	GAGAUACAGCUCUAGAUAA	Plate 1	E17	1344	71.69	343.77	0.391324183	-1.545448034	0.174180659	0	1
CAMK1	8536	GAAGGCCGAGUACGAGUUU	Plate 1	F17	920	38.16	274.19	0.220109727	-2.375589401	0.475509336	0	
CAMK1	8536	GCGGUUACCCUCCCUUCUA	Plate 1	G17	521	98.57	220.60	0.897625038	-0.347699384	1.31E-44	0	
CAMK1	8536	GGAGCUCUUUGACCGUAUU	Plate 1	H17	423	90.12	77.41	1.451812174	0.345970612	1.84E-96	1	
CARD17	440068	UGACUCUGUUAUUCGGAAA	Plate 2	E5	1577	129.42	258.36	0.929096702	-0.374571541	4.79E-20	0	2
CARD17	440068	GGGUGAAUUAUUGGAGACA	Plate 2	F5	480	205.99	246.07	2.058560085	0.77316335	2.8E-20	1	
CARD17	440068	UCACCUUACUACACAAGAU	Plate 2	G5	75	467.80	330.62	4.343830599	1.850495633	7.8E-13	1	
CARD17	440068	CCCAGCACUGAAAGAGUUA	Plate 2	H5	818	82.67	282.41	0.635220272	-0.923143349	0.737112474	0	
CATSPER1	117144	CCAAAGAGGUGGCGAGUGA	Plate 3	M9	1300	85.46	237.82	0.636128391	-0.82450534	0.08970529	0	3
CATSPER1	117144	GCGCGUAUCAUUCCAGUUA	Plate 3	N9	30	234.19	193.07	3.785527397	1.748599088	0.000000014	1	
CATSPER1	117144	GAGAAUUUAUCCCACUAUU	Plate 3	O9	1362	252.88	253.59	2.00599164	0.832420372	5.36E-43	1	
CATSPER1	117144	UAACGCAGAUAGGUUCUUU	Plate 3	P9	1286	143.11	215.79	1.153930559	0.034661186	1.21E-24	1	
CBS	875	AGACGGAGCAGACAACCUA	Plate 6	I6	1316	48.70	311.18	0.375732376	-1.627647489	0.00101561	0	0
CBS	875	CACCACCGCUGAUGAGAUC	Plate 6	J6	1130	125.80	291.26	0.596448873	-0.960954448	2.33E-09	0	
CBS	875	GGACGGUGGUGGACAAGUG	Plate 6	K6	304	123.22	134.39	1.081024535	-0.103025563	4.21E-29	0	
CBS	875	GGAAGAAGUUCGGCCUGAA	Plate 6	L6	236	94.80	131.76	2.319623322	0.998465718	1.35E-45	1	
CCDC127	133957	GCAAGCGGCUGGAGAUAGA	Plate 2	A19	1284	85.13	469.24	0.320432653	-1.910379135	2.89E-31	0	0
CCDC127	133957	UGGAAUAUCCGGCCUAAUU	Plate 2	B19	716	83.33	458.59	0.591640158	-1.025680324	0.015233101	0	
CCDC127	133957	GACGCAAGUUGGUAGAAGA	Plate 2	C19	1398	90.23	214.59	0.746742047	-0.689790337	3.83E-17	0	
CCDC127	133957	GGGAACUCGUUGUCGAACU	Plate 2	D19	1453	58.48	347.75	0.345425583	-1.802025368	1.07E-14	0	

CCDC22	28952	GCAGAGAGCUGGAAUCUUC	Plate 3	E21	1211	181.61	233.75	1.110596358	-0.020560652	4.94E-15	0	0
CCDC22	28952	GGAAGGAGGAGGUCUAUAA	Plate 3	F21	607	97.59	355.77	0.924909092	-0.284511745	0.071406158	0	
CCDC22	28952	CCACUGAGCUGGUUGUAGA	Plate 3	G21	1560	82.02	222.32	0.607094328	-0.891902622	0.145291692	0	
CCDC22	28952	GAAGGCCUAUAAGUAUCUA	Plate 3	H21	774	119.98	360.18	0.649932928	-0.793532474	0.452890782	0	
CCPG1	9236	AAACGAACCUUGCUACAGA	Plate 5	I17	1024	64.65	357.85	0.415749546	-1.440140937	0.022286679	0	1
CCPG1	9236	GUUAAGUGGUAGUCAGUUA	Plate 5	J17	207	160.26	281.70	1.452433604	0.364544683	6.56E-24	1	
CCPG1	9236	GAUUGUAUGUUGAGGCAAA	Plate 5	K17	659	168.90	390.77	0.9020285	-0.32268261	1.05E-12	0	
CCPG1	9236	CCGAAGACAGUAUCUAUAU	Plate 5	L17	28	188.85	183.41	1.002143516	-0.170838401	7.62E-08	0	
CDH26	60437	CUGAUUUGCUGGACUCUUU	Plate 3	E15	1021	177.04	305.43	1.041723463	-0.112922873	1.01E-25	0	3
CDH26	60437	GAAGGAUGGCAGAGACAUU	Plate 3	F15	231	294.78	267.97	1.725754385	0.615331928	2.69E-31	1	
CDH26	60437	AGUUAAGGAUCUCGAGGAA	Plate 3	G15	251	156.80	211.81	1.261314156	0.163032431	4.55E-33	1	
CDH26	60437	UGAGCCAAGAAGUGUGAAA	Plate 3	H15	1379	284.47	128.81	4.057744551	1.848782823	2.62E-218	1	
CDYL	9425	GAAGAUCGAUGAGUUCUGA	Plate 3	A8	1329	78.47	206.54	0.83949226	-0.424306294	4.98E-13	0	2
CDYL	9425	GAAACUUCGUGAAUACUUU	Plate 3	B8	1060	134.72	454.12	0.578074407	-0.962568115	0.072359842	0	
CDYL	9425	GCAUCUAUAUUGCCUCUUU	Plate 3	C8	338	102.11	97.64	2.052043835	0.865166328	4.37E-71	1	
CDYL	9425	GACAAGCGAUUGCGUUUCA	Plate 3	D8	579	323.49	117.91	4.969205754	2.141120057	4.95E-157	1	
CENPL	91687	GGACAUUUCUUUCGCAAUA	Plate 2	I13	1305	70.96	245.03	0.456786534	-1.398880184	0.000000174	0	1
CENPL	91687	AAGAUUAGUUCGUGUUUCA	Plate 2	J13	542	170.71	471.35	0.823802035	-0.548102614	1.2E-13	0	
CENPL	91687	GCAAUCAAUGCAUUUAAUC	Plate 2	K13	1561	150.86	181.67	1.33539473	0.148794043	5.9E-103	1	
CENPL	91687	UUAUUGGAGUGUUAGCAUA	Plate 2	L13	1423	43.00	126.45	0.843368862	-0.514236547	1.01E-47	0	
CEP19	84984	UAGAGAAGCUAUUCAGUUU	Plate 5	A7	1159	294.06	318.16	1.903729586	0.754901035	1.45E-67	1	3
CEP19	84984	GAACAAAUUCAACGGGAAA	Plate 5	B7	1142	137.62	406.21	0.703316445	-0.681681676	0.000494191	0	
CEP19	84984	AAAAUUCGCCAGCGCAUUA	Plate 5	C7	166	235.04	248.57	2.152790731	0.932280552	1.17E-25	1	
CEP19	84984	AAGAAUAAUCCGCGACACA	Plate 5	D7	721	143.41	93.87	4.812356597	2.092816019	7.62E-22	1	
CETN2	1069	GUGAGAACCUGACUGAUGA	Plate 3	E4	856	75.87	333.02	0.678126157	-0.732269623	0.019264844	0	1
CETN2	1069	GAACUGGCACCAUAGAUGU	Plate 3	F4	414	102.40	326.59	0.803497611	-0.487529583	1.33E-18	0	
CETN2	1069	GAUGAAACUGGGAAGAUUU	Plate 3	G4	145	105.46	244.43	1.152476606	0.032842245	1.21E-14	1	
CETN2	1069	GCAUCAAGUUCUCAGCGAA	Plate 3	H4	1557	118.84	258.87	0.784570682	-0.521919891	2.29E-24	0	
CHEK1	1111	GCAACAGUAUUUCGGUAUA	Plate 1	A4	60	792.86	99.89	20.44853008	4.162041028	8.01E-33	1	4
CHEK1	1111	GGACUUCUCUCCAGUAAAC	Plate 1	B4	105	651.84	126.39	10.1991607	3.158494324	6.1E-45	1	
CHEK1	1111	AAAGAUAGAUGGUACAACA	Plate 1	C4	640	604.88	72.73	16.61053443	3.862142379	0	1	
CHEK1	1111	AGAUAUGAAGCGUGCCGUA	Plate 1	D4	907	427.99	148.96	5.04221841	2.142174405	3.11E-275	1	
CHERP	10523	GAGGCGAAUUCUACAGUUA	Plate 1	E11	19	29.20	51.69	0.990452938	-0.205723875	0.000153634	0	2
CHERP	10523	GCUGGAAGAUCACGAGUAC	Plate 1	F11	500	62.13	174.97	0.93412024	-0.290204037	5.82E-49	0	
CHERP	10523	AGACCCAGCUAGACAUGAA	Plate 1	G11	250	137.52	176.04	2.071274385	0.858634475	1.63E-38	1	
CHERP	10523	GAUAAGUGGGACCAGUAUA	Plate 1	H11	391	295.94	142.76	4.580231195	2.003536216	6.51E-97	1	
CHRNE	1145	ACACAGAGGCCUAUACUGA	Plate 3	I17	1120	94.25	216.27	0.628905456	-0.840980165	1.07E-18	0	0
CHRNE	1145	CAAUAUUGAUGGCCAGUUC	Plate 3	J17	154	99.78	285.72	0.533357305	-1.078720974	1.17E-11	0	
CHRNE	1145	CGUCGUCGGUGGGCUUAUU	Plate 3	K17	428	124.78	355.84	0.67401058	-0.74105208	0.610355012	0	
CHRNE	1145	UGGCAGGAUUACCGACUCA	Plate 3	L17	1109	101.63	231.07	0.706892855	-0.672331757	9.39E-61	0	
CLEC3B	7123	GAACUGCGCGGUCCUGUCA	Plate 5	M9	70	718.57	166.82	5.627917724	2.318673706	1.4E-24	1	1
CLEC3B	7123	GCGAUCAGCUGCCCUACAU	Plate 5	N9	234	66.64	387.03	0.480140445	-1.232399158	0.239828355	0	
CLEC3B	7123	GAACGACGCCCUGUAUGAG	Plate 5	O9	1183	64.88	348.32	0.35014786	-1.687891357	0.00000018	0	
CLEC3B	7123	GCAAGUGGUUCGACAAGCG	Plate 5	P9	213	94.72	154.02	0.875560923	-0.365648059	4.85E-28	0	
CLEC4M	10332	GAUGUGACGUUGACAAUUA	Plate 5	I5	296	335.71	105.94	6.435270207	2.512073194	1.09E-97	1	2
CLEC4M	10332	GCAAAUCUAUCAAGAACUG	Plate 5	J5	996	139.99	316.48	0.855419601	-0.399223362	8.8E-33	0	
CLEC4M	10332	GUGGAGAACCCAACAAUAG	Plate 5	K5	452	59.77	241.51	1.778184712	0.656477663	5.3E-39	1	
CLEC4M	10332	CGACAAUCGAUGUGACGUU	Plate 5	L5	1433	113.05	258.66	0.971921364	-0.215016033	4.31E-22	0	
CLIC3	9022	GGAGAAAGAGUUCAAAUAC	Plate 2	M7	954	286.06	248.26	2.207474566	0.873924607	1.22E-82	1	2
CLIC3	9022	GCACAUCGUCGACACGGUG	Plate 2	N7	1414	118.68	238.32	0.814657558	-0.564206556	1.2E-23	0	
CLIC3	9022	CGGACGUGCUGAAGGACUU	Plate 2	O7	59	774.54	191.50	9.578404364	2.991313133	6.18E-23	1	
CLIC3	9022	CAGACACGCUGCAGAUCGA	Plate 2	P7	1400	109.94	306.05	0.646120312	-0.898597475	0.161366335	0	
CLOCK	9575	CAAAGAAGGUCAUCAUUUA	Plate 5	I9	754	95.00	302.04	0.650733192	-0.793789484	2.38E-19	0	1
CLOCK	9575	GCUGGAAAGUGAUUCAUUA	Plate 5	J9	1446	247.54	415.08	0.987398019	-0.192223876	1.76E-27	0	
CLOCK	9575	GGACAAAUCUACUGUUCUG	Plate 5	K9	535	348.87	308.43	1.953893215	0.792424091	3.87E-67	1	
CLOCK	9575	GAGUUUACAUCUAGACAUA	Plate 5	L9	1361	131.82	272.04	0.744581489	-0.599425877	0.000000475	0	
CLSPN	63967	GGAAAUACCUGGAGGAUGA	Plate 3	I12	154	195.65	100.99	2.921553876	1.374840672	9.79E-54	1	4
CLSPN	63967	GGACGUAAUUGAUGAAGUA	Plate 3	J12	325	235.60	146.87	5.49942252	2.287384911	8.48E-95	1	
CLSPN	63967	GCAGAUGGGUUCUUAAAUG	Plate 3	K12	552	122.07	230.88	1.615669912	0.520237258	3.33E-44	1	
CLSPN	63967	GAAUUUAUAUGCUGGGAAA	Plate 3	L12	136	365.67	77.48	7.266190252	2.689303919	5.76E-65	1	
CNTF	1270	UAUCGUACCUUCCAUGUUU	Plate 4	I8	1293	167.33	106.08	3.279145237	1.505034434	1.16E-116	1	2
CNTF	1270	GAUAGAGGAGUUAAUGAUA	Plate 4	J8	1474	93.80	253.96	0.711927851	-0.698482421	0.699518428	0	
CNTF	1270	GCUGAUGGGAUGCCUAUUA	Plate 4	K8	474	57.01	264.03	0.370275738	-1.641613441	0.0000065	0	
CNTF	1270	GCCAUUAUAUUGCUAACAA	Plate 4	L8	523	409.99	140.67	6.526102186	2.49793621	1.26E-155	1	
CPSF2	53981	UAUGAUAGGUGGAACAAUA	Plate 1	I21	1161	167.04	80.51	2.495182607	1.127261194	3.03E-271	1	4
CPSF2	53981	GAUCAGAUUUGGAGGACUA	Plate 1	J21	702	356.75	90.35	5.621235763	2.299003118	3.42E-200	1	
CPSF2	53981	UUGGAUAGAUGGUGUCUUA	Plate 1	K21	1112	297.03	104.89	2.895858417	1.342106861	2.17E-282	1	
CPSF2	53981	GAACUGUGCUAUCUAUGCA	Plate 1	L21	447	276.42	52.33	5.824989688	2.350371289	7.3E-186	1	
CRYAA	1409	GAAGGUGCAGGACGACUUU	Plate 2	E13	1180	319.42	288.66	1.999323993	0.731040073	5.32E-37	1	2
CRYAA	1409	GGACAAGUUCGUCAUCUUC	Plate 2	F13	1599	91.42	265.93	0.584451517	-1.043316953	0.00000819	0	
CRYAA	1409	GGGACAAGUUCGUCAUCUU	Plate 2	G13	393	32.05	212.32	0.702523562	-0.77785369	6.36E-26	0	
CRYAA	1409	GAUCCGACCGGGACAAGUU	Plate 2	H13	45	185.06	69.00	2.585090094	1.101742353	3.98E-15	1	
CSPG5	10675	CAUCUGAGCUCCACAAUGA	Plate 1	I10	990	91.61	427.17	0.341299772	-1.742772851	0.403259342	0	1
CSPG5	10675	GGAGCCUGCUUGACUUAUA	Plate 1	J10	1330	130.40	321.38	0.762930294	-0.582261052	0.690076745	0	
CSPG5	10675	GAGAAUACCAAGCUGCGUA	Plate 1	K10	1121	148.98	179.98	1.530756724	0.422360813	1.21E-65	1	
CSPG5	10675	CAUCAGAUAUCAUUGACAU	Plate 1	L10	1012	155.96	351.54	0.997587136	-0.19536944	0.002393205	0	
CSTF1	1477	GACGAACACUGGUCAGAUA	Plate 1	M7	1369	46.89	467.75	0.186595747	-2.6138962	3.95E-20	0	0
CSTF1	1477	UAGUAGAGAUGGACAGUUA	Plate 1	N7	1322	129.67	318.02	1.053121176	-0.117212759	4.76E-10	0	
CSTF1	1477	GGACGGCUGCAUCAAAUUA	Plate 1	O7	1102	54.02	349.29	0.364148178	-1.649286675	0.025582319	0	
CSTF1	1477	GGAUGGUGUUUCAAAUCGA	Plate 1	P7	1477	93.42	280.76	0.739610308	-0.627046971	1.18E-08	0	
CXCL3	2921	AUCCAAAGUGUGAAUGUAA	Plate 2	I6	1655	297.60	269.39	3.01711158	1.324695843	2.67E-77	1	1
CXCL3	2921	UCCAAAGUGUGAAUGUAAG	Plate 2	J6	1557	148.23	337.46	0.890492655	-0.435796592	0.832149346	0	
CXCL3	2921	GAAAAGAUACUGAACAAGG	Plate 2	K6	1640	107.09	298.73	0.760422718	-0.663598671	0.016433007	0	
CXCL3	2921	UGUCCAUUCUGCAGCGUUU	Plate 2	L6	1027	55.74	255.41	0.447870643	-1.427318201	0.092976549	0	
CYBASC3	220002	GUACUGGCGUGGUGGCUUU	Plate 2	E8	868	77.84	117.01	1.309131878	0.120138229	6.16E-94	1	1
CYBASC3	220002	GCAUCUACAUGUUCAACUG	Plate 2	F8	517	96.61	395.99	0.449478189	-1.422149195	0.522524466	0	
CYBASC3	220002	GAAGGACUGCCAACCUCUA	Plate 2	G8	687	100.31	203.65	1.054916457	-0.191343458	2.87E-47	0	
CYBASC3	220002	GGAGGUGCGUCACUGGUGU	Plate 2	H8	680	310.28	566.03	0.945728701	-0.348973923	2.08E-12	0	
CYBB	1536	GAAGACAACUGGACAGGAA	Plate 3	A9	172	27.68	392.31	0.414689578	-1.441791527	0.044735541	0	1
CYBB	1536	GGAACUGGGCUGUGAAUGA	Plate 3	B9	880	146.75	259.56	1.276149515	0.179902145	2.02E-17	1	
CYBB	1536	GUGAAUGCCCGAGUCAAUA	Plate 3	C9	1338	73.43	138.39	0.892515064	-0.335946797	4.17E-73	0	
CYBB	1536	GAAACUACCUAAGAUAGCG	Plate 3	D9	347	97.08	247.15	0.762980032	-0.562178017	1.58E-28	0	
CYP4F2	8529	GGUAGUGCCUGUUUGGAUA	Plate 2	M16	1220	98.37	348.24	0.515531804	-1.22433887	0.006631027	0	0
CYP4F2	8529	CAUAUUGACUUCCUGUAUU	Plate 2	N16	1509	234.99	511.49	0.872098034	-0.465909984	0.000000186	0	
CYP4F2	8529	UCAGUGCCCUUGUAUCAAA	Plate 2	O16	1320	199.32	382.89	0.785582809	-0.616636943	5.61E-34	0	
CYP4F2	8529	GGACGACCUGGCCCAUUUG	Plate 2	P16	814	57.87	393.43	0.339558528	-1.826740036	0.00000472	0	
CYP8B1	1582	AAACUAGACUUUGGGCAAU	Plate 5	I4	235	59.99	293.25	0.56857082	-0.988515567	0.00002	0	0
CYP8B1	1582	GCUACAGGCAGGAGAGUUA	Plate 5	J4	1065	38.69	386.56	0.243277492	-2.213252781	1.08E-93	0	
CYP8B1	1582	GUACUUCACCUUCGUCAUG	Plate 5	K4	854	75.10	274.56	0.539923897	-1.063099555	0.000107099	0	
CYP8B1	1582	GCUUGAAGGAUCUUAAUGA	Plate 5	L4	1500	207.32	288.40	1.080781351	-0.061852846	7.76E-83	0	
CYTH1	9267	GGAAUCAUCCCUUUAGAGA	Plate 5	M8	1571	89.43	267.19	0.645105729	-0.806319998	0.00204417	0	1
CYTH1	9267	AAGAGACGCUGGUUCAUUC	Plate 5	N8	649	106.32	297.21	0.7555633	-0.578302999	4.13E-33	0	
CYTH1	9267	GGGAGAGAGAUGAGUUUAA	Plate 5	O8	590	346.52	266.10	2.425806809	1.104537127	3.71E-54	1	
CYTH1	9267	GCAAUAAUGGCGUGUUCCA	Plate 5	P8	900	164.22	430.64	0.493525214	-1.192731834	3.1E-33	0	
DCAF4	26094	GAACGAUGUUAAAGUUGGA	Plate 6	M5	331	199.28	217.22	1.380703586	0.2499788	1.17E-51	1	1
DCAF4	26094	CUUCAGACAUGGCUGGAAA	Plate 6	N5	1100	102.06	498.67	0.362665284	-1.678714273	4.04E-35	0	
DCAF4	26094	CGAAGUGCGUAAGGCAGUA	Plate 6	O5	392	93.71	262.40	0.724958443	-0.679454628	6.25E-11	0	
DCAF4	26094	GUUAUUAUCCAAAGGCGUU	Plate 6	P5	1517	131.27	352.99	0.670005039	-0.793180981	0.175510008	0	
DCUN1D5	84259	GAACAAAGAUCAAUGGUAC	Plate 4	A6	1398	176.09	356.34	0.990202645	-0.222489659	0.001499573	0	1
DCUN1D5	84259	GCAGAACAGUCCAUGCUGA	Plate 4	B6	1481	79.67	260.55	0.516931052	-1.160241594	0.484110538	0	
DCUN1D5	84259	CAGAGAAGCCUUGAUAUUG	Plate 4	C6	1266	227.64	237.49	1.712670981	0.567962657	2.68E-49	1	
DCUN1D5	84259	CGCUCACAGUUGAAUGAUA	Plate 4	D6	1414	136.73	318.12	0.675652422	-0.773932196	0.583081041	0	
DDT	1652	GGCCAGGACCGGAUACUUA	Plate 2	I14	1161	168.14	454.85	0.496991557	-1.27717896	0.085282496	0	0

DDT	1652	UAGGGACGGUCAUGACUUU	Plate 2	J14	961	88.89	345.84	0.429930727	-1.486296079	0.000000446	0	
DDT	1652	GAGCUGGACACGAAUUUGC	Plate 2	K14	1496	154.44	237.95	1.04669547	-0.202630449	2.09E-29	0	
DDT	1652	UUGGAGUCCUGGCAGAUUG	Plate 2	L14	1174	136.56	461.94	0.53300476	-1.176251887	1.17E-11	0	
DDX1	1653	GAUGUUACCUGGAUAUAGA	Plate 3	I3	1262	102.22	258.83	0.737889864	-0.610417819	0.098870943	0	2
DDX1	1653	CUACAUGGGUUGACUUAAA	Plate 3	J3	682	95.27	546.79	0.381881994	-1.56069642	3.65E-15	0	
DDX1	1653	GUACAACGAGAUGCAGUUA	Plate 3	K3	47	253.54	108.08	6.201591761	2.460743337	1.1E-14	1	
DDX1	1653	UAAAGGCCAUGUGGAUAUU	Plate 3	L3	460	70.76	202.45	1.135788203	0.01179861	0.000000293	1	
DENND2C	163259	GAGGUAUACUGCAUGGUUA	Plate 3	I14	1326	121.04	441.05	0.447937611	-1.33052551	5.56E-27	0	0
DENND2C	163259	CGUAGGACAUUCAGAUAUU	Plate 3	J14	1425	92.81	210.64	0.849219986	-0.407684992	7.44E-19	0	
DENND2C	163259	CCAUCACAGUUAAGAGUUA	Plate 3	K14	518	128.34	281.72	1.017583634	-0.146747849	4.24E-11	0	
DENND2C	163259	GGAUAGUUCAUACGGAAUA	Plate 3	L14	1333	31.72	202.39	0.334794016	-1.750549576	0.143738509	0	
DESI1	27351	CCGAAUCUCUAUCCGGUGA	Plate 3	M7	1255	122.63	228.18	0.905666875	-0.314842825	2.36E-15	0	1
DESI1	27351	CAACCUCUUUGAACACAAU	Plate 3	N7	665	51.18	237.15	0.495204643	-1.185798476	0.000724101	0	
DESI1	27351	CAACGAAGUGGCACAGUUC	Plate 3	O7	3	#DIV/0!	#DIV/0!	2.595283829	1.203997103	0.243974483	0	
DESI1	27351	GAUGAGUUCUUCUUCGGCA	Plate 3	P7	1097	181.73	121.17	2.774023664	1.300084873	1.82E-124	1	
DGAT2	84649	UCACUUGGCUGGUGUUUGA	Plate 2	A8	942	44.38	438.30	0.218712229	-2.461366416	2.3E-36	0	0
DGAT2	84649	GCAGGCAACUUCCGAAUGC	Plate 2	B8	1562	119.72	311.17	0.659457566	-0.869120474	0.001903856	0	
DGAT2	84649	GCCGAUGGGUCCAGAAGAA	Plate 2	C8	13	50.00	106.00	1.005242662	-0.260928404	0.009777737	0	
DGAT2	84649	GCAAUGCUAUCAUCAUCGU	Plate 2	D8	1045	60.00	277.28	0.443333415	-1.442008197	1.42E-10	0	
DGKZ	8525	GGACAGCUUUCUCUGACUU	Plate 4	E6	482	400.23	379.15	1.998475986	0.79061487	2.59E-44	1	1
DGKZ	8525	GAAAUUCAACAGCCGCUUU	Plate 4	F6	742	175.05	302.19	0.997205793	-0.212322199	6.72E-11	0	
DGKZ	8525	CAACCAGGGUGCAAAGAUC	Plate 4	G6	362	93.04	381.61	0.556735539	-1.053221283	0.105594712	0	
DGKZ	8525	GAUCGCACAGGAUGAGAUU	Plate 4	H6	1596	104.09	222.55	0.824598265	-0.486522036	2.34E-18	0	
DHCR7	1717	GGCCAAGACUCCACCUAUA	Plate 1	A10	678	203.68	451.07	0.85439263	-0.4189131	5.33E-08	0	2
DHCR7	1717	CAUCAUGGCUUGUGACCAG	Plate 1	B10	488	222.42	246.90	2.36385744	1.049258824	2.84E-15	1	
DHCR7	1717	GCCCAGCUCUAUACCUUGU	Plate 1	C10	418	120.94	313.85	0.754001227	-0.599245431	0.000018	0	
DHCR7	1717	CUUCAAGGGAAUUCCGAGU	Plate 1	D10	1563	133.36	204.16	1.40169584	0.295289119	5.91E-69	1	
DHX57	90957	CGACUUGGAUCCUUUGGAA	Plate 5	A21	991	186.74	479.75	0.683955416	-0.721953342	1.87E-13	0	1
DHX57	90957	ACAAGUAGAUUCCGCAAAU	Plate 5	B21	669	71.63	282.25	0.49166024	-1.198193935	2.5E-09	0	
DHX57	90957	CGAAUACCCACCACAAGUA	Plate 5	C21	831	57.89	255.02	0.658444414	-0.775917812	0.00000752	0	
DHX57	90957	GAUAUGACUGGCAGGCAAA	Plate 5	D21	379	213.59	170.92	2.737597675	1.278982908	5.54E-80	1	
DIP2A	23181	UAACAAACGUGCUGGAUUU	Plate 3	A17	643	52.69	573.24	0.177118383	-2.669109362	2.83E-59	0	0
DIP2A	23181	GAAGUGCCAUUAACAAGAA	Plate 3	B17	535	121.67	310.57	1.108126001	-0.023773288	0.000708982	0	
DIP2A	23181	GAAGAGACGUUCUGUCCUU	Plate 3	C17	374	125.02	207.75	0.733976083	-0.618090264	1.32E-25	0	
DIP2A	23181	GCGCUCGUGUUUCCGAAUA	Plate 3	D17	1638	59.26	250.10	0.489034797	-1.203886193	0.027947369	0	
DNA2	1763	GCUAAACCGUGAAGCAAGA	Plate 5	E8	338	113.68	350.83	0.634976041	-0.82915347	4.21E-11	0	1
DNA2	1763	CUACGUCACUUUAAAGAUG	Plate 5	F8	733	58.45	316.48	0.331810304	-1.765496937	0.000000117	0	
DNA2	1763	ACAGUUGCCUGCAUUCUAA	Plate 5	G8	87	180.71	184.97	4.31034715	1.933876535	2.02E-26	1	
DNA2	1763	UGAUAUAGAUACCCCAUUA	Plate 5	H8	660	41.78	227.24	0.538031314	-1.068165486	9.94E-10	0	
DNAJB1	3337	GAAAGAGCAUUCGAAACGA	Plate 5	E18	614	186.48	488.20	0.800125199	-0.495629864	0.433885232	0	2
DNAJB1	3337	GCUCUGAUGUCAUUUAUCC	Plate 5	F18	1406	121.04	383.84	0.529183642	-1.09208716	0.000416798	0	
DNAJB1	3337	GCGAGAUCUUCGACCGCUA	Plate 5	G18	57	145.87	45.09	2.657734106	1.236269245	2.81E-20	1	
DNAJB1	3337	AAAUAUUGACCAUCGAAGU	Plate 5	H18	1593	121.25	188.24	1.175806372	0.059722969	3.25E-60	1	
DNAJB13	374407	GACAAGAUCCUGACCAUUG	Plate 4	M7	241	489.85	274.83	6.952333185	2.589211856	1.83E-25	1	3
DNAJB13	374407	GACAACCUCUUCUUCGUGA	Plate 4	N7	176	208.17	153.13	4.343984052	1.910733439	5.57E-40	1	
DNAJB13	374407	CCAGAAGGGUGCUGAACGA	Plate 4	O7	588	98.17	516.10	0.426239442	-1.438549362	6.35E-19	0	
DNAJB13	374407	CGGGAUCACUCGCAAUUCA	Plate 4	P7	652	196.09	154.39	2.920525492	1.33794261	8.46E-44	1	
DPY19L2	283417	GAAGGACUGUGGAUGAUUA	Plate 3	I5	1426	91.34	371.80	0.482792719	-1.222419399	0.002057963	0	0
DPY19L2	283417	GAAUAGAACCUCUUAAUGA	Plate 3	J5	1451	208.83	309.61	0.969155495	-0.217095161	6.23E-46	0	
DPY19L2	283417	CGGCAUCGCUGUCUUUGUG	Plate 3	K5	690	71.14	396.64	0.411813631	-1.451831734	0.855675546	0	
DPY19L2	283417	GAAUAGUGUGUACAGAGUA	Plate 3	L5	995	66.23	248.68	0.514136489	-1.131671911	0.005196294	0	
DTX3	196403	GCACCAUUGUCAUCCAGUA	Plate 2	A14	94	407.41	284.82	2.672189487	1.149550106	5.64E-20	1	2
DTX3	196403	GGCGGAUGCUGGUCUCUAA	Plate 2	B14	1077	119.71	546.06	0.442089674	-1.446061267	1.32E-13	0	
DTX3	196403	UCAAGGGGCUGCUAAAAGA	Plate 2	C14	1294	168.07	263.09	1.239927974	0.04178411	3.39E-56	1	
DTX3	196403	CCUCAUAGAUGGCGAGACU	Plate 2	D14	794	67.85	176.08	0.654453309	-0.880110034	0.00000359	0	
DYRK1A	1859	UAAGGAUGCUUGAUUAUGA	Plate 2	I12	1283	117.41	481.16	0.399162406	-1.593424454	0.000354231	0	0
DYRK1A	1859	GCUAAUACCUUGGACUUUG	Plate 2	J12	1401	180.66	303.04	0.890297577	-0.436112674	5.75E-26	0	
DYRK1A	1859	AAACUCGAAUUCAACCUUA	Plate 2	K12	1047	122.40	332.43	0.713621093	-0.755242045	0.310194651	0	
DYRK1A	1859	CUUUGAACCUAACACGAAA	Plate 2	L12	1484	87.27	247.70	0.658766347	-0.870633447	0.004748	0	
ECM1	1893	GAACGUGGCUCUAGUGUCU	Plate 3	A5	761	260.00	380.44	0.94822442	-0.248594769	3.42E-24	0	2
ECM1	1893	AGGAUACCCUUGACAAAUA	Plate 3	B5	388	50.48	664.87	0.165695396	-2.765289796	4.56E-42	0	
ECM1	1893	CGGGACAUCUUGACCAUUG	Plate 3	C5	373	95.66	276.94	2.119203858	0.911627154	0.000788133	1	
ECM1	1893	CACCAAGCAUAAACAUAUU	Plate 3	D5	133	141.98	274.56	1.181019564	0.068137642	0.003099912	1	
ECSIT	51295	GUGGUUCCCUCGAUUCAUG	Plate 2	I16	1046	136.51	303.52	0.831807685	-0.534150289	8.32E-38	0	1
ECSIT	51295	CAACAAGUGUGUGUAUUAC	Plate 2	J16	1423	202.90	443.69	0.738690306	-0.705430658	8.77E-08	0	
ECSIT	51295	GGACCUGGCUGUGUACAAC	Plate 2	K16	66	148.58	160.46	2.523081212	1.066714435	2.12E-18	1	
ECSIT	51295	GCAGACGGUGCAGAAAUUU	Plate 2	L16	157	113.28	285.84	0.967413147	-0.316268159	3.74E-10	0	
EED	8726	GGAAUUAUGUUGAUUGUGU	Plate 4	E19	1546	74.05	232.89	0.555533702	-1.056339027	0.012084202	0	2
EED	8726	GUACAACACUGACUCAUCA	Plate 4	F19	1142	40.71	222.72	0.315230505	-1.873806312	0.828984757	0	
EED	8726	CAACAGAGUUACCUUGUAU	Plate 4	G19	652	265.64	206.12	3.283586344	1.506987025	6.42E-45	1	
EED	8726	GGAUCUAGAGGCAUAAUUA	Plate 4	H19	811	131.01	200.07	1.371138821	0.247089277	8.9E-18	1	
EFCAB3	146779	GCUAAGUGCUUCACAAAUG	Plate 3	A10	921	145.63	391.12	0.521529323	-1.111074946	0.000120329	0	0
EFCAB3	146779	GGACAAAACUGGCUGUAUU	Plate 3	B10	1380	242.81	511.64	0.904274541	-0.317062469	0.025564949	0	
EFCAB3	146779	CGAUGCAACUGCUAUUAAA	Plate 3	C10	1160	92.70	249.04	0.614493607	-0.874425316	0.383579779	0	
EFCAB3	146779	ACGGAAAGGUUUAAAGGGA	Plate 3	D10	1133	92.36	200.93	0.843770649	-0.416972413	3.54E-63	0	
EFEMP2	30008	GCUAUGAGCUGCAUCGGGA	Plate 1	I22	1453	118.68	329.07	0.742202162	-0.622000097	4.34E-09	0	3
EFEMP2	30008	GCUAUGAGCCCGACGAUCA	Plate 1	J22	1164	277.95	111.35	4.172438737	1.86900666	8.54E-232	1	
EFEMP2	30008	GGAAUGCACAGAUGGCUAU	Plate 1	K22	599	122.34	205.98	1.153193657	0.0137506	2.78E-50	1	
EFEMP2	30008	CUGAAGAGCCCGACAGCUA	Plate 1	L22	1148	156.42	93.80	3.025004791	1.40505322	7.86E-261	1	
EMR3	84658	GGAAAGAGCUGCAAAAGAU	Plate 1	I8	251	159.14	326.32	1.011750135	-0.175031165	1.33E-20	0	0
EMR3	84658	GAAACUGCCUUGAAAGAUC	Plate 1	J8	1137	104.80	211.48	0.91659176	-0.317532986	1.28E-42	0	
EMR3	84658	CAAGAUGGGUCCUGACUCA	Plate 1	K8	846	131.10	404.22	0.497761981	-1.198356259	5.22E-08	0	
EMR3	84658	UCAAUAGACUCAUGAAGUG	Plate 1	L8	1399	128.97	288.73	0.748451868	-0.609902761	8.95E-15	0	
ENAH	55740	GAGAGAGAGCGCAGAAUAU	Plate 4	M4	182	97.29	244.62	1.187824215	0.040035981	1.01E-09	1	1
ENAH	55740	GUGUUUAGAUUGAGAGUUA	Plate 4	N4	1331	70.09	248.87	0.537270544	-1.104564717	0.368471208	0	
ENAH	55740	GGUUAAAGAACAACGUACA	Plate 4	O4	1641	130.12	250.30	1.097122774	-0.074560388	1.09E-09	0	
ENAH	55740	CCGAUUAUAAGCAGCGUAA	Plate 4	P4	1184	69.63	295.23	0.455535142	-1.342651107	0.339218864	0	
ENPP7	339221	GCAAAUAUAUCGAGAACCA	Plate 5	I13	188	87.11	193.17	1.323111284	0.230006877	1.06E-27	1	3
ENPP7	339221	GAAUUAACGUCCAGUUCAA	Plate 5	J13	347	388.96	113.81	5.587548654	2.308287957	1.79E-93	1	
ENPP7	339221	GAGCACCGGUACAAAGUCA	Plate 5	K13	396	52.84	84.81	1.032661854	-0.127559612	1.08E-51	0	
ENPP7	339221	ACACAGUGAUGGCGUGGUU	Plate 5	L13	1482	239.80	236.82	1.693668909	0.586224341	5.97E-55	1	
ERC2	26059	AAAGAGGAAUGUAGCAAAU	Plate 5	M18	87	263.93	427.20	1.311896931	0.217726848	0.00000269	1	2
ERC2	26059	GAGAAGAAUGACAAGGACA	Plate 5	N18	252	65.30	283.98	0.458925169	-1.297596697	0.000351503	0	
ERC2	26059	GAGAAUGAGAAGAAUGACA	Plate 5	O18	1272	101.60	188.91	1.000270113	-0.173537893	5.43E-42	0	
ERC2	26059	AGAACAACUUAGGGAUAAA	Plate 5	P18	1009	80.39	101.98	1.87155465	0.730309644	4.73E-149	1	
ERH	2079	CCAACAGGCUGGGAAAUAA	Plate 5	E20	145	236.24	88.06	4.769935802	2.080042318	5.62E-35	1	4
ERH	2079	GAACUUAUGCUGACUACGA	Plate 5	F20	739	331.81	161.86	2.649782633	1.231946485	2.31E-126	1	
ERH	2079	UCAGUCAGUUGUUUGAUUU	Plate 5	G20	633	340.89	148.77	3.591060244	1.670482324	5.53E-145	1	
ERH	2079	GUCCCUCUAUCACAUAUGA	Plate 5	H20	788	215.49	181.63	1.844965504	0.70966631	6.68E-99	1	
ESD	2098	GAACUAAACUGCAAAAUGA	Plate 4	I16	695	143.43	352.20	0.580282768	-0.993457376	0.000000289	0	1
ESD	2098	CCUCGUGGCUGCAAUAUUA	Plate 4	J16	1410	106.10	119.11	1.706581811	0.562824209	4.75E-76	1	
ESD	2098	UGUAUUGGCUCUCAGGUUU	Plate 4	K16	746	33.08	445.18	0.151286216	-2.932932913	1.06E-37	0	
ESD	2098	CUACCCACCUUGUGAAAUC	Plate 4	L16	798	38.93	245.59	0.439457807	-1.394488806	0.158960823	0	
EXOSC4	54512	CUAGUGAACUGUCAAUAUA	Plate 4	E12	1465	102.28	159.98	1.177857175	0.027879243	1.22E-69	1	3
EXOSC4	54512	CUAUGCAGCUUGUGUGAAU	Plate 4	F12	1291	242.88	222.76	2.289256942	0.98659403	6.05E-85	1	
EXOSC4	54512	CACCCACGCUCCCAGAUUG	Plate 4	G12	448	51.27	149.97	0.43656497	-1.404017089	1.36E-09	0	
EXOSC4	54512	CCGCCAGACUUUCGAAGCA	Plate 4	H12	280	120.41	75.08	2.734018466	1.24273762	2.32E-63	1	
EXT1	2131	GAUGAGAGAUUGUUAUUAC	Plate 3	A18	1120	125.22	296.41	0.650314273	-0.792686228	0.737112474	0	1
EXT1	2131	ACAAUCAGGUCUAUUCAUC	Plate 3	B18	1004	82.04	197.62	0.720078525	-0.645669074	4.91E-21	0	
EXT1	2131	CCAGGAAUGCCUUAUAUCA	Plate 3	C18	1050	117.46	234.85	0.951276915	-0.243957949	1.9E-12	0	
EXT1	2131	UUCGGAGGCUUGCAGUUUA	Plate 3	D18	802	135.52	147.30	1.621494455	0.525428869	1.17E-100	1	
F8A1	8263	GGUCAUGGCUACCCACGAA	Plate 4	M3	714	102.49	148.64	1.234513063	0.095656735	1.1E-13	1	1
F8A1	8263	CGAACAAGCUGAAGAAGCG	Plate 4	N3	989	62.86	278.54	0.50153293	-1.203869032	0.161218767	0	

F8A1	8263	GAGAUGUGGCCACUGUUGA	Plate 4	O3	1553	120.24	230.57	1.041946368	-0.149004347	0.0000237	0	
F8A1	8263	CCACCUCCUUCACCUCGUU	Plate 4	P3	390	30.81	54.29	0.917666918	-0.332242864	2.07E-61	0	
FABP4	2167	GUAGGUACCUGGAAACUUG	Plate 5	M15	342	59.72	304.57	0.374677624	-1.590205805	0.046859089	0	0
FABP4	2167	GAAAUGGGAUGGAAAAUCA	Plate 5	N15	287	80.80	369.75	1.103877962	-0.031346847	0.324980068	0	
FABP4	2167	GAUGUGAUCACCAUUAAAU	Plate 5	O15	1538	106.97	276.52	0.6184273	-0.867251619	8.17E-09	0	
FABP4	2167	GAAAGUCAAGAGCACCAUA	Plate 5	P15	748	33.61	310.76	0.174036909	-2.696462327	2.05E-13	0	
FAHD2B	151313	GCUCGUGACUGGCUAACAA	Plate 3	I22	393	521.32	127.52	7.482335338	2.731593403	4.86E-132	1	3
FAHD2B	151313	GGUAGAAGAAGAUUACUCA	Plate 3	J22	1633	99.09	293.20	0.666639452	-0.756916618	5.66E-08	0	
FAHD2B	151313	CGUGGUCAUUGGAAAGAAA	Plate 3	K22	874	83.98	127.68	1.139505262	0.016512364	1.21E-29	1	
FAHD2B	151313	ACAUGAGACUAGUGCAGUU	Plate 3	L22	69	250.62	157.71	3.374772009	1.582894819	1.92E-16	1	
FAM27L	284123	CCAAGAAGAUGGCUGUAUG	Plate 4	I10	1042	221.24	295.62	1.369408332	0.245267328	0.000000104	1	3
FAM27L	284123	CAACAAGCCCUGUCAUGGU	Plate 4	J10	857	201.38	122.52	2.944937644	1.349951719	6.12E-99	1	
FAM27L	284123	ACACCACGAUACAGUCUUG	Plate 4	K10	1570	174.99	316.63	0.844575017	-0.451987891	0.009642767	0	
FAM27L	284123	GGAGCUCACUGUCCUGCAG	Plate 4	L10	20	58.30	81.59	1.365800808	0.241461725	0.00000408	1	
FCGR2A	2212	GGGCAGCUCUUCACCAAUG	Plate 2	M21	234	110.48	261.98	0.822877759	-0.549722174	2.82E-13	0	1
FCGR2A	2212	GCUACAGGUUCAAGGCCAA	Plate 2	N21	923	49.74	272.67	0.545547183	-1.142696328	0.0000356	0	
FCGR2A	2212	GGUCAUUGCGACUGCUGUA	Plate 2	O21	597	285.81	186.45	7.075449821	2.554349661	3.58E-69	1	
FCGR2A	2212	CCACUGCACAGGAAACAUA	Plate 2	P21	868	71.01	362.85	0.333017347	-1.854802972	7.89E-12	0	
FDFT1	2222	GGAAGAGAUUUAUCAUAGA	Plate 1	M16	1342	165.26	221.26	1.506049758	0.398885229	1.71E-28	1	3
FDFT1	2222	GGACAAGUACUGCCACUAU	Plate 1	N16	579	111.76	265.37	0.827119157	-0.46571712	9.61E-23	0	
FDFT1	2222	CCACUUUGGCUGCCUGUUA	Plate 1	O16	25	107.59	38.18	1.6384262	0.520426483	0.000000688	1	
FDFT1	2222	GUUUGGAGCAGGUAUGUUA	Plate 1	P16	1389	175.15	212.72	1.459312282	0.353404436	2.68E-44	1	
FEM1B	10116	CAAAUGACCGUGAGAACUA	Plate 2	A15	494	79.22	335.55	0.693202334	-0.797123791	2.92E-15	0	1
FEM1B	10116	ACAAGGAUCUUCUUCGAUU	Plate 2	B15	1405	108.74	287.77	0.707945379	-0.766762248	2.47E-08	0	
FEM1B	10116	GCCUAAUGAUUGCGGCAUA	Plate 2	C15	1396	106.24	252.11	0.702056138	-0.778813908	3.08E-10	0	
FEM1B	10116	GAAUUUGAGCAGUGUAUCA	Plate 2	D15	491	246.55	475.51	1.219689079	0.018041217	1.37E-11	1	
FGF11	2256	GGAAACCGAGUUAAGAAGA	Plate 1	M14	1358	80.26	249.70	0.568505067	-1.006639093	7.1E-13	0	1
FGF11	2256	ACAGCUGAGUGUCGCUUUA	Plate 1	N14	1663	117.68	288.83	0.652146245	-0.808616773	1.13E-15	0	
FGF11	2256	AGGCGAAUCCCGACGGAAG	Plate 1	O14	1508	114.71	226.61	1.449805022	0.343974684	2.65E-61	1	
FGF11	2256	AGAGCUUUAUGGAGCCGUA	Plate 1	P14	1138	63.78	325.68	0.42511504	-1.425959002	0.009024522	0	
FNDC7	163479	GGAACUGAAUACUUGAUUU	Plate 3	E18	1208	45.93	379.04	0.247472338	-2.186556045	2.34E-62	0	2
FNDC7	163479	GAUGCAUUCUCCAUGAUUA	Plate 3	F18	1290	137.39	273.59	0.812338607	-0.471742106	1.27E-18	0	
FNDC7	163479	AACGUGAGCUGGACUAUUG	Plate 3	G18	22	148.35	103.99	5.074001949	2.171228852	0.000000767	1	
FNDC7	163479	GGAAUGGUGAUUUAUAGAG	Plate 3	H18	1005	109.40	211.84	1.230709193	0.127594683	8.51E-31	1	
FOXD4L1	200350	CCGUCAAGCCUGUCGGACA	Plate 2	E15	1157	140.66	221.43	1.042779789	-0.208037683	4.33E-60	0	2
FOXD4L1	200350	GGUAUCAGGCGGUGGCAGA	Plate 2	F15	1334	144.63	128.89	2.049466243	0.766776018	2.11E-122	1	
FOXD4L1	200350	GGACAAUUUUGCAGCAACA	Plate 2	G15	122	289.90	304.89	1.435069351	0.25264825	1.29E-15	1	
FOXD4L1	200350	CCGAUGGGGAAGACGGUAA	Plate 2	H15	1430	98.57	263.77	0.623390064	-0.950265143	1.32E-15	0	
FOXD4L6	653404	CCGAUGGGGAAGACGGUAA	Plate 4	A15	1293	80.94	231.39	0.560071552	-1.044602311	0.0564033	0	0
FOXD4L6	653404	GCUGGAGAGCAAACACGAA	Plate 4	B15	880	50.98	221.14	0.415966259	-1.473746953	0.120914724	0	
FOXD4L6	653404	UCACUACACUACAUCGUUU	Plate 4	C15	1270	40.77	239.25	0.351244557	-1.717737595	2.93E-23	0	
FOXD4L6	653404	CCAAGACAUGUUCGACAAU	Plate 4	D15	1145	71.51	363.49	0.356688042	-1.695550613	5.42E-31	0	
FRRS1L	23732	GCAUACAGCACUUCUAUAA	Plate 1	M10	951	221.13	430.33	1.17246684	0.037662913	0.159529065	0	2
FRRS1L	23732	GAUAGGGGCUGAUGUAGAA	Plate 1	N10	1164	46.01	279.37	0.330294152	-1.790060876	0.082184187	0	
FRRS1L	23732	CAGAGCGUGUUGUCAGUAU	Plate 1	O10	468	174.54	313.49	1.197218004	0.067801672	1.6E-60	1	
FRRS1L	23732	AGUUCUACGACCUGCGCUA	Plate 1	P10	535	74.34	67.97	2.526733819	1.145389483	1.86E-36	1	
FUT6	2528	UGACCACGCUGCUGUUUCA	Plate 3	E9	714	157.16	332.42	0.706862928	-0.672392836	3E-12	0	1
FUT6	2528	GUACCAGACACGCGGCAUA	Plate 3	F9	1408	94.44	221.24	0.666658381	-0.756875653	1.08E-15	0	
FUT6	2528	ACCGAGAGGUCAUGUACAA	Plate 3	G9	162	97.05	183.47	2.260956148	1.005037789	3.82E-32	1	
FUT6	2528	UCAAGACGAUCCCACUGUG	Plate 3	H9	748	56.76	246.96	0.56451392	-0.99681416	0.158794621	0	
FXN	2395	CAUACACGUUUGAGGACUA	Plate 3	A4	834	225.22	175.98	4.441389846	1.979115988	9.37E-84	1	3
FXN	2395	UGUCAAACUGGGUGGAGAU	Plate 3	B4	798	188.40	298.39	0.994387667	-0.180014913	9.96E-31	0	
FXN	2395	CGUUAUGACUGGACUGGGA	Plate 3	C4	912	235.74	265.00	1.345209319	0.255935457	7.47E-32	1	
FXN	2395	GGACCUAAGCGUUAUGACU	Plate 3	D4	1548	180.28	246.90	2.235282107	0.988561699	4.56E-12	1	
FZD4	8322	GAAAUGCACAGCUCUUAUU	Plate 1	M21	1083	131.46	422.26	0.787916556	-0.535769453	0.001339206	0	3
FZD4	8322	GACAAAGACAGACAAGUUA	Plate 1	N21	1614	205.53	151.05	2.170604079	0.926212393	1.84E-230	1	
FZD4	8322	GAUCGAUUCUUCUAGGUUU	Plate 1	O21	1374	257.53	219.99	1.755982344	0.620394132	1.43E-152	1	
FZD4	8322	AGUCAAUCAUGUCGAGUCA	Plate 1	P21	513	64.16	88.82	1.529361377	0.421045138	1.09E-20	1	
FZR1	51343	GCACGGAGACCGCUUCAUC	Plate 1	M11	1581	251.04	438.31	0.932622498	-0.29251907	1.71E-17	0	1
FZR1	51343	CCACAGGAUUAACGAGAAU	Plate 1	N11	317	69.58	151.84	0.965308519	-0.24282219	8.47E-28	0	
FZR1	51343	GCAAAACCCGUUCGACAAA	Plate 1	O11	1170	80.65	361.93	0.447917877	-1.350578054	0.084367556	0	
FZR1	51343	GCAACGAUGUGUCUCCCUA	Plate 1	P11	313	81.96	76.36	1.984480627	0.796877272	2.06E-43	1	
G2E3	55632	UCAAAGAACUUGUCUCUAA	Plate 6	I4	1435	99.38	419.65	0.619861625	-0.905406735	2.76E-19	0	0
G2E3	55632	GAGUUAGGAUUCCAAAUUA	Plate 6	J4	1170	23.81	486.16	0.10459858	-3.472489653	2.23E-104	0	
G2E3	55632	CCAUCGACCUGUUCAAAUA	Plate 6	K4	1279	167.71	348.97	0.823722448	-0.49519462	2.92E-19	0	
G2E3	55632	GUACACACAUUACCUGAUG	Plate 6	L4	933	196.37	402.68	1.344706025	0.211865979	0.035209364	0	
GABRR2	2570	AAAGAUCGUUCACUCAUGA	Plate 4	M10	472	126.47	117.99	3.005934349	1.379528133	6.26E-72	1	1
GABRR2	2570	GGACAUGGACUUCACUAUG	Plate 4	N10	1483	63.20	282.61	0.395060063	-1.548141452	7.24E-24	0	
GABRR2	2570	GAAGUUCCCGUGCAUGUGU	Plate 4	O10	778	129.37	389.45	0.495483311	-1.221376999	0.00000423	0	
GABRR2	2570	GAUGGAAGCUACAGUGAGU	Plate 4	P10	1451	60.69	340.29	0.357088305	-1.693932578	5.79E-36	0	
GAK	2580	GAGAACGACUUUGAAGAUC	Plate 2	M17	627	173.04	415.81	0.75604645	-0.67192543	0.126182957	0	1
GAK	2580	GCCUCGAACUUCAGUGUGA	Plate 2	N17	727	327.56	186.12	2.640906256	1.132560882	2.29E-106	1	
GAK	2580	GUUGAGAACUUGUUGCUUA	Plate 2	O17	991	198.71	380.07	1.021106904	-0.238338293	4.62E-31	0	
GAK	2580	CUAACUAUGCCUCGAACUU	Plate 2	P17	1006	201.37	359.83	1.087456646	-0.147514322	4.08E-22	0	
GALK2	2585	GCUAAUAACAUCCAGAUUG	Plate 3	M12	628	70.82	188.85	0.707855765	-0.670367894	9.59E-23	0	0
GALK2	2585	GCACAACUAUUUCUUAUGU	Plate 3	N12	1574	118.53	329.98	0.640965947	-0.813575606	0.000180875	0	
GALK2	2585	GGAAAUAUCCCACCAAGUU	Plate 3	O12	5	22.40	124.51	0.236363106	-2.252818455	0.394915715	0	
GALK2	2585	GGACCAGUCUAUAUCAUUU	Plate 3	P12	300	95.41	173.90	0.902606773	-0.319725712	6.77E-29	0	
GALNT2	2590	GGUUGGAGUUUAUGAAUGU	Plate 4	A16	1055	71.67	368.91	0.376056805	-1.619262859	5.82E-34	0	2
GALNT2	2590	GCACUGUCUUUGCCCGAAA	Plate 4	B16	638	88.23	134.31	1.203595207	0.059064899	2.12E-60	1	
GALNT2	2590	GCUAGAAACGUUCCUUAUG	Plate 4	C16	1521	87.90	214.47	0.706401779	-0.709724487	6.68E-16	0	
GALNT2	2590	GGAAGUACGACAUGAUGAU	Plate 4	D16	60	205.80	129.79	4.510340117	1.964950861	4.83E-13	1	
GJC2	57165	GAGGAGGCGUGCACUAAGG	Plate 2	M12	971	43.71	177.89	0.376804969	-1.676582314	9.75E-10	0	0
GJC2	57165	CCACGCCCUCGGUCAUGUA	Plate 2	N12	874	85.37	435.29	0.378884458	-1.668642343	2.61E-25	0	
GJC2	57165	UUAUGUACGUGGUCAGCUG	Plate 2	O12	565	105.15	269.69	0.80216637	-0.586498819	2.88E-13	0	
GJC2	57165	CGGACGAGCAGGCCAAGUU	Plate 2	P12	13	15.03	10.59	0.955138389	-0.334690525	0.001891165	0	
GLI3	2737	GCAUAUGACUUCCGCCUUA	Plate 5	I21	1156	161.06	172.43	1.91027455	0.75985247	5.13E-35	1	3
GLI3	2737	GCACGAAGGUUGCAACAAG	Plate 5	J21	457	152.93	228.83	2.279331972	1.014683529	5.41E-37	1	
GLI3	2737	GCACUAAGCGUUACACAGA	Plate 5	K21	1151	45.18	392.72	0.25877108	-2.124179236	1.36E-50	0	
GLI3	2737	GAAUUACUCUGGUCAGUUC	Plate 5	L21	382	308.23	288.54	2.538340393	1.169958016	2.28E-41	1	
GLIPR1L2	144321	GGAGACUGUUCUAAUUAUA	Plate 3	M19	1773	125.18	358.43	0.571524425	-0.97900816	3.91E-18	0	1
GLIPR1L2	144321	AAUAAGCGAUUGAACACUA	Plate 3	N19	1229	51.82	332.26	0.324242401	-1.796750555	2.21E-53	0	
GLIPR1L2	144321	GGACGUAGACUUUAUCAAC	Plate 3	O19	1546	100.90	189.96	0.999402851	-0.172756984	1.16E-46	0	
GLIPR1L2	144321	GGGUCUAACUUGCGCUUCA	Plate 3	P19	1346	202.99	154.42	2.384871503	1.082016314	1.83E-84	1	
GLIS2	84662	CCACUGCGCUAUUUGGAUG	Plate 3	M18	878	106.84	256.86	0.75752588	-0.572528139	0.000000194	0	1
GLIS2	84662	ACAAGUGCCUCUCGCCAGA	Plate 3	N18	677	137.45	198.76	1.320018451	0.228662874	3.35E-47	1	
GLIS2	84662	CCGAGAAGGAUGCGGGGUA	Plate 3	O18	1094	82.89	253.58	0.585610155	-0.943882745	9.91E-23	0	
GLIS2	84662	GGGUCAUGGGUUUGCGACU	Plate 3	P18	1063	114.79	203.46	1.080520507	-0.060168768	0.000779742	0	
GLRX	2745	CUAACGAGAUUCAAGAUUA	Plate 5	E7	1082	43.24	426.69	0.200111941	-2.49504837	3.37E-55	0	2
GLRX	2745	AACAAGGGCUUCUGGAAUU	Plate 5	F7	313	119.84	180.96	1.408685842	0.320422373	1.47E-16	1	
GLRX	2745	CAAGAACGGUGCCUCGAGU	Plate 5	G7	1413	89.27	144.19	1.064184114	-0.08417976	3.82E-67	0	
GLRX	2745	GAACUGCUGACGCGGCUAA	Plate 5	H7	362	150.98	251.92	1.138954548	0.013782644	6.67E-26	1	
GLRX3	10539	CAUAGGAGGACUUGAUAUA	Plate 1	E22	1466	194.83	192.37	2.018626389	0.821489712	1.57E-142	1	4
GLRX3	10539	GCGCUAAUGAACAUCUUAA	Plate 1	F22	677	401.23	140.15	5.364126465	2.231459044	2.98E-197	1	
GLRX3	10539	CGAAGUUAUGGCAGAGUUA	Plate 1	G22	519	214.94	298.87	1.732294508	0.600800017	1.78E-23	1	
GLRX3	10539	GGAUGAAGAAGUUCGGCAA	Plate 1	H22	1212	197.53	114.37	3.037623463	1.411058841	2.95E-188	1	
GNAT1	2779	GAAGAGUGCCUCGAGUUUA	Plate 3	E16	1390	162.84	182.58	1.467500058	0.381465338	7.09E-124	1	2
GNAT1	2779	GAACGUCAAAUUUGUCUUC	Plate 3	F16	1788	103.47	225.93	0.850762277	-0.405067252	1.28E-13	0	
GNAT1	2779	AAGAGUGCCUCGAGUUUAU	Plate 3	G16	165	605.02	326.14	3.215396735	1.513101535	7.62E-36	1	
GNAT1	2779	GCACGAUGCCCAAGGAGAU	Plate 3	H16	557	114.64	265.01	0.921741902	-0.289460479	1.18E-23	0	
GPC3	2719	CCAGUGGUCAGUCAAAUUA	Plate 3	E10	1174	38.27	442.56	0.235185018	-2.26002716	1.89E-52	0	3
GPC3	2719	UGGUGGAGAUUGACAAGUA	Plate 3	F10	334	326.14	116.11	3.665882481	1.702265316	4.78E-69	1	
GPC3	2719	GCCAAUAUAGAUCUGCUUA	Plate 3	G10	868	300.82	192.38	3.616254954	1.682601173	4.76E-46	1	

GPC3	2719	GGAUCAGAUUUGCAAGUAU	Plate 3	H10	428	210.52	279.64	1.149995468	0.029732953	9.08E-12	1	
GPC6	10082	CAGCAAAGCCAGAUACUUG	Plate 3	E22	1116	288.08	264.14	1.595293321	0.50192649	4.55E-58	1	2
GPC6	10082	CGAUAGAUGUCAAGAUUUC	Plate 3	F22	1060	65.87	199.71	0.57002227	-0.982805031	0.000831076	0	
GPC6	10082	GAUUAUGGCUCUCCGUGUG	Plate 3	G22	105	64.93	163.51	1.235095548	0.132727432	1.64E-19	1	
GPC6	10082	CAGCAUUACCCUACACUAU	Plate 3	H22	178	231.26	583.70	1.045395002	-0.107847055	0.035171019	0	
GPR3	2827	UUUAUCCACUCUCCAAGAA	Plate 3	I11	17	#DIV/0!	#DIV/0!	3.298564995	1.54994331	0.000853765	1	2
GPR3	2827	CCACCUCUCUACACCUAUC	Plate 3	J11	646	220.83	340.68	0.900499415	-0.323097978	6.26E-11	0	
GPR3	2827	ACCGCUACCUUUCUCUGUA	Plate 3	K11	1034	136.96	271.96	0.961605789	-0.228377735	0.262944622	0	
GPR3	2827	ACAAUGCCCUCACCUACUA	Plate 3	L11	125	98.91	118.10	2.077271455	0.882794536	7.74E-24	1	
GPR63	81491	CAACAUUUGUCGUGUAUGA	Plate 2	I18	1392	84.12	494.29	0.294362178	-2.032807991	4E-45	0	1
GPR63	81491	UAGGGUAUCUGCUAUGUUU	Plate 2	J18	1065	256.22	183.07	2.163630547	0.844981963	2.24E-121	1	
GPR63	81491	UCACACAAAGCGACGGAUA	Plate 2	K18	1006	92.37	410.74	0.520617166	-1.210177423	0.407350878	0	
GPR63	81491	AGAGGCAGGAUAAGCUAAA	Plate 2	L18	1138	105.31	209.24	1.180102777	-0.029559697	1.89E-63	0	
GPS2	2874	UGACAGAGCCAAACAAAUG	Plate 1	E19	452	148.05	217.67	1.464234842	0.358262752	7.69E-33	1	1
GPS2	2874	GCGCUGCACCGGCACAUUA	Plate 1	F19	1333	101.40	250.35	0.678654957	-0.751134039	3.87E-57	0	
GPS2	2874	GCGAUUCUACCACAAGUGA	Plate 1	G19	1315	52.03	252.78	0.375869733	-1.603579555	1.02E-11	0	
GPS2	2874	UGGAUAAGAUGAUGGAACA	Plate 1	H19	1039	56.93	298.95	0.346879266	-1.719378694	0.002649138	0	
GPX1	2876	GCAAGGUACUACUUAUCGA	Plate 4	A3	1503	77.54	301.64	0.448635861	-1.364668518	9.54E-25	0	0
GPX1	2876	UGAAUUCCCUCAAGUACGU	Plate 4	B3	781	95.26	318.19	0.715938271	-0.690378261	0.011045599	0	
GPX1	2876	GGAGAACGCCAAGAACGAA	Plate 4	C3	1026	157.83	304.13	0.817634284	-0.498757772	0.00000135	0	
GPX1	2876	GCAACCAGUUUGGGCAUCA	Plate 4	D3	258	115.56	309.84	1.017597315	-0.183118598	5.28E-10	0	
GSK3B	2932	GAAGAAAGAUGAGGUCUAU	Plate 3	M6	1093	235.79	182.84	1.861960321	0.724927107	5.73E-129	1	2
GSK3B	2932	GGACCCAAAUGUCAAACUA	Plate 3	N6	1141	28.99	381.17	0.147295091	-2.93511397	2.84E-95	0	
GSK3B	2932	GAUGAGGUCUAUCUUAAUC	Plate 3	O6	1337	65.03	384.54	0.285395146	-1.980862519	0.020033784	0	
GSK3B	2932	GAAGUCAGCUAUACAGACA	Plate 3	P6	975	81.54	146.04	1.384361834	0.297325851	3.04E-36	1	
HAGH	3029	GGACCAUGCUGGCGGGAAU	Plate 4	A10	1160	91.39	360.98	0.392691937	-1.556815487	1.64E-09	0	1
HAGH	3029	GGACACAUUUGUUACUUCG	Plate 4	B10	1464	96.59	226.16	0.868980326	-0.410889948	6.73E-15	0	
HAGH	3029	GGACUGCGGAUGAGAUGUG	Plate 4	C10	204	21.48	227.01	0.497068624	-1.216768422	0.000473332	0	
HAGH	3029	UGGCUUGUGUUAUCGGACA	Plate 4	D10	1022	141.09	139.87	1.675977134	0.536717098	5.33E-106	1	
HEPH	9843	GCAAGAAUCUACUAUAUCA	Plate 3	I7	941	102.10	310.15	0.770432157	-0.548155396	0.14896215	0	2
HEPH	9843	CCUGGUACCUGGUUAAUUA	Plate 3	J7	829	104.40	205.73	1.181195843	0.068352963	1.31E-45	1	
HEPH	9843	GGAAUACACUGAUGGUACA	Plate 3	K7	1224	101.44	324.39	0.603134603	-0.901343309	5.78E-32	0	
HEPH	9843	CUUACUGGAAAGUGCGAUA	Plate 3	L7	1409	102.87	121.79	1.379921936	0.292691432	4.9E-128	1	
HIF1AN	55662	GAAAUUUCAUGAGUUCGUU	Plate 1	I16	1636	126.81	271.91	0.873515417	-0.386979136	7.25E-27	0	2
HIF1AN	55662	CACAUAGAGUCAUUACUAA	Plate 1	J16	1459	208.50	361.20	0.843895131	-0.436748572	2.47E-19	0	
HIF1AN	55662	UCAUGGACUUCUUAGGUUU	Plate 1	K16	127	362.85	363.00	2.860041873	1.324152062	4.46E-14	1	
HIF1AN	55662	AGUUAUAGCUUCCCGACUA	Plate 1	L16	207	243.41	173.30	2.715776875	1.249480747	3.55E-52	1	
HILPDA	29923	GGUGUGAGUGGAUUGCUUA	Plate 2	M9	1551	69.17	348.84	0.337747203	-1.83445648	5.85E-13	0	0
HILPDA	29923	GAUAAGACCUCCUUCCAUA	Plate 2	N9	1174	212.14	379.05	1.018642282	-0.241824701	4.7E-13	0	
HILPDA	29923	GAUAGCAGUUGAAGAGGUU	Plate 2	O9	255	77.50	651.58	0.435700949	-1.467062047	0.311483247	0	
HILPDA	29923	GUUGGGAGAUGGUGAUAUU	Plate 2	P9	801	44.80	216.46	0.562240884	-1.099211939	1.45E-09	0	
HLA-DRB5	3127	GCACAGAGACAUCUAUAAC	Plate 2	I10	1274	162.36	246.41	1.105794325	-0.123389136	5.69E-14	0	2
HLA-DRB5	3127	GGAGGUUCCUACAUGGCAA	Plate 2	J10	859	117.30	86.46	2.397381529	0.992987315	6.39E-127	1	
HLA-DRB5	3127	UCUUGCAGCAGGAUAAGUA	Plate 2	K10	453	142.36	525.08	0.603543046	-0.996943634	0.044089643	0	
HLA-DRB5	3127	GCUAUUCAUCUACUUCAAG	Plate 2	L10	1349	270.18	124.95	5.654916439	2.231033497	1.75E-168	1	
HMGB3	3149	CAGAUAAAGUGCGCUAUGA	Plate 3	I10	59	181.19	162.25	2.512287385	1.157106284	2.16E-14	1	1
HMGB3	3149	GCAGAUAAAGUGCGCUAUG	Plate 3	J10	1433	142.53	252.18	1.037582384	-0.11866933	8.23E-30	0	
HMGB3	3149	AGAAACAACCUGCGGUCAA	Plate 3	K10	1182	130.60	232.37	1.068693353	-0.076047272	0.00000225	0	
HMGB3	3149	GGAGUUAGGAGAACGACAU	Plate 3	L10	492	131.13	420.68	1.216834275	0.111237474	0.263202542	0	
HMGCS2	3158	AAACUGACCUGGAGAAGUA	Plate 1	I13	35	149.80	168.08	1.299774709	0.186377374	0.000000012	1	2
HMGCS2	3158	AGAGAGCAAUUCUACCAUA	Plate 1	J13	1433	65.76	290.17	0.508031383	-1.168894681	0.005190366	0	
HMGCS2	3158	GGGCAUAGAUACCACCAAU	Plate 1	K13	355	55.57	172.77	0.563320369	-1.019856662	8.3E-31	0	
HMGCS2	3158	CCUUCACCCUUGACGAUUU	Plate 1	L13	1376	200.25	197.35	1.538216576	0.429374437	1.09E-152	1	
HNRNPC	3183	CAACGGGACUAUUAUGAUA	Plate 2	A4	663	110.27	80.59	2.815962065	1.22515569	8.14E-138	1	3
HNRNPC	3183	CAGUAGAGAUGAAGAAUGA	Plate 2	B4	188	223.86	131.42	4.144871387	1.782855127	4.63E-55	1	
HNRNPC	3183	AGAAGGAGCUGACCCAGAU	Plate 2	C4	2	#DIV/0!	#DIV/0!	0.174401618	-2.787986876	0.720682358	0	
HNRNPC	3183	GAAACGUCAGCGUGUAUCA	Plate 2	D4	110	198.40	123.66	3.581260849	1.571995396	6.58E-36	1	
HNRNPUL1	11100	GCGCAAAGCUAUUGUAAUU	Plate 3	A16	1102	248.37	403.32	1.254438355	0.155146355	1.93E-12	1	1
HNRNPUL1	11100	GGGAAGAAGUCCACCAAUA	Plate 3	B16	114	37.71	176.49	0.705210906	-0.675768531	9.68E-10	0	
HNRNPUL1	11100	GGAAGGAUGUCCCAGAUCA	Plate 3	C16	298	61.09	185.19	0.849839779	-0.406632442	5.76E-18	0	
HNRNPUL1	11100	GCAACUAUAUCCUAGAUCA	Plate 3	D16	1068	51.13	207.09	0.537143604	-1.068515477	0.000560139	0	
HOXB5	3215	GCUCUUACGGCUACAAUUA	Plate 4	M16	25	213.56	207.81	4.14179222	1.841969813	0.000000187	1	1
HOXB5	3215	UGAGGAAGCUUCACAUCAG	Plate 4	N16	807	26.27	190.74	0.342730228	-1.753140024	0.056910115	0	
HOXB5	3215	GCGUAUACCCGCUACCAGA	Plate 4	O16	1332	104.32	215.00	0.917560849	-0.332409628	1.33E-10	0	
HOXB5	3215	GACCAUUUGUAGUGAGCGA	Plate 4	P16	1290	96.98	169.74	1.041148609	-0.15010936	6.76E-70	0	
HPX	3263	CAAAUGGGACCGGGAGUUA	Plate 3	I20	995	64.45	217.90	0.53258412	-1.080813905	0.090897046	0	2
HPX	3263	GGACAAAGUCUGGGUAUAC	Plate 3	J20	720	107.10	245.74	0.643071206	-0.808844824	3.08E-21	0	
HPX	3263	CAUCCAUGGUCCCAAUUUG	Plate 3	K20	1028	233.11	268.43	1.41471566	0.328616897	2.02E-76	1	
HPX	3263	GGAAUGUUGCUGAAGGCGA	Plate 3	L20	1314	121.98	150.79	1.438663173	0.352833639	1.67E-64	1	
HSPA6	3310	GAGGAAAGCCUUAGGGACA	Plate 1	A21	982	79.48	212.89	1.036481944	-0.140189223	4.24E-11	0	3
HSPA6	3310	GCACAGGUAAGGCUAACAA	Plate 1	B21	844	347.10	220.48	3.309518722	1.534737225	4.16E-161	1	
HSPA6	3310	CCUUUGACAUUGAUGCUAA	Plate 1	C21	1160	204.71	213.23	1.397218065	0.290672994	2.12E-142	1	
HSPA6	3310	GAGGAGAGGACUUCGACAA	Plate 1	D21	758	295.52	233.32	3.012865651	1.399252135	5.6E-73	1	
HTR2A	3356	GAUAAUGACUGCUCAAUGG	Plate 2	M20	1549	129.86	332.91	0.62807693	-0.939459026	0.00000118	0	2
HTR2A	3356	UCAAGUCACUCCAGAAAGA	Plate 2	N20	926	120.27	353.68	0.709564901	-0.763465657	0.00000164	0	
HTR2A	3356	GUGAUCACCUACUUUCUAA	Plate 2	O20	1085	105.87	155.47	1.266351944	0.072206205	3.37E-55	1	
HTR2A	3356	GAUCGGUUAUCUCUCUUCA	Plate 2	P20	1324	273.29	136.51	5.256733336	2.125694343	6.95E-236	1	
HTR3E	285242	GAAGGUCGCAUCAGGUAUA	Plate 3	I18	1291	75.49	218.37	0.516012203	-1.126418132	0.0000629	0	1
HTR3E	285242	CAAAAGGCCUCACAGCAUA	Plate 3	J18	618	113.44	283.31	0.610574635	-0.883655659	2.56E-12	0	
HTR3E	285242	GGACAUGGAGAAAGAAGUG	Plate 3	K18	238	54.64	219.98	1.505084278	0.417949052	3.59E-23	1	
HTR3E	285242	GGAGGCAACCUGUAUGAUC	Plate 3	L18	1259	57.97	281.92	0.33452737	-1.751699064	1E-13	0	
IGSF11	152404	CAACAUACCAUCCAUUUAU	Plate 2	E14	1078	147.38	428.06	0.56347156	-1.096057509	0.083314365	0	3
IGSF11	152404	GGAACGAAUUGGUGCAGUA	Plate 2	F14	397	359.20	183.47	4.216924937	1.807719132	6.22E-79	1	
IGSF11	152404	GAACAUCAGUGCCCUGUCU	Plate 2	G14	59	407.54	185.68	5.651303188	2.230111382	1.95E-15	1	
IGSF11	152404	CAGGAACAUUGGACUAAUA	Plate 2	H14	1030	252.86	304.33	1.383628924	0.199984869	1.32E-54	1	
IL17RA	23765	GAACACCAAUGAACGUUUG	Plate 1	E4	946	106.31	375.40	0.597515485	-0.934836201	0.00000117	0	2
IL17RA	23765	GCACCUACGUAGUCUGCUA	Plate 1	F4	598	198.07	93.44	4.510974032	1.981554774	3.07E-114	1	
IL17RA	23765	CAGAACCAAUUCCGGACUA	Plate 1	G4	936	335.09	454.61	1.381075829	0.273908327	4.59E-36	1	
IL17RA	23765	AAUAUGAGGUGACCGUUCA	Plate 1	H4	1007	67.56	429.57	0.307495603	-1.893246523	0.0841768	0	
IL17RC	84818	GUACGAAUCUGGUCCUAUA	Plate 4	M17	1478	118.72	244.86	0.880242297	-0.392312765	0.149867073	0	1
IL17RC	84818	GAACCUGACUCCGUUAGGA	Plate 4	N17	1162	53.29	349.88	0.246529945	-2.22845057	3.77E-33	0	
IL17RC	84818	GCUAUGGGACGAUGACUUG	Plate 4	O17	1376	50.08	372.24	0.215572904	-2.422037607	1.89E-97	0	
IL17RC	84818	GACCGCAGAUCAUUACCUU	Plate 4	P17	920	320.97	120.02	4.24404117	1.877153284	5.63E-195	1	
IL22RA1	58985	UCACGGAGCUCUACUAUGC	Plate 5	I12	1227	159.24	324.21	0.849787085	-0.408754209	0.013973206	0	2
IL22RA1	58985	GCAGAGAGAAUAUGAGUUC	Plate 5	J12	1313	140.72	361.47	0.599050689	-0.913177545	0.416648046	0	
IL22RA1	58985	GCUGGAAGCUGCAUGUUAG	Plate 5	K12	688	350.52	297.26	1.619907764	0.521984138	2.06E-53	1	
IL22RA1	58985	GGACAUGGACCUACUCCUU	Plate 5	L12	115	102.33	286.16	1.287562044	0.190714422	0.000000307	1	
INS-IGF2	723961	CCAGAUAGAAGCCGGGAGU	Plate 4	A8	885	132.60	437.99	0.630324601	-0.874118492	5.38E-08	0	2
INS-IGF2	723961	GGUGGUGACUGCUAAUAUU	Plate 4	B8	1288	316.34	106.32	6.182305013	2.419859466	1.76E-257	1	
INS-IGF2	723961	GGAUCAUCGUCCAGGCAGU	Plate 4	C8	195	230.38	165.77	3.730429749	1.691056472	6.47E-35	1	
INS-IGF2	723961	CCUUAGACACUCAAUAAAA	Plate 4	D8	1378	95.64	345.44	0.573112194	-1.011395871	4.66E-08	0	
IPO4	79711	GCAUUUCGCUGUACAAGUU	Plate 4	I22	440	164.89	146.17	1.583529305	0.454858199	2.63E-44	1	1
IPO4	79711	AGUCAGAGGUGCCGGUCAU	Plate 4	J22	1196	211.21	333.19	1.586132425	0.457227858	0.037602054	0	
IPO4	79711	CCUCGCAAGUUGUACGCAA	Plate 4	K22	1245	57.04	201.56	0.450835333	-1.357612876	8.65E-11	0	
IPO4	79711	AUGGAGCACCUGCGGGAAU	Plate 4	L22	1266	81.31	338.12	0.371224937	-1.637919835	2.48E-11	0	
IQCA1	79781	GAAGGAGGGUCAGCUAUUA	Plate 3	M21	196	63.01	273.80	0.795492368	-0.501975227	1.11E-10	0	2
IQCA1	79781	CGAUGAGGCUGUUAAAUUA	Plate 3	N21	1539	138.41	207.14	1.209975948	0.103083148	1.84E-64	1	
IQCA1	79781	UCACGGAGUUCCAUUAUUU	Plate 3	O21	990	346.03	379.62	1.375053997	0.287593051	1.79E-29	1	
IQCA1	79781	CGGCAUUGGUUCAUCGAAU	Plate 3	P21	1348	134.53	266.09	0.886823988	-0.345175522	1.19E-13	0	
IRX2	153572	GCUACGAGCCCAAGAAAGA	Plate 3	A7	649	115.21	235.28	1.207176257	0.099741114	0.837152363	0	1
IRX2	153572	GGAGUGCAAGGACAAGUAU	Plate 3	B7	205	150.74	231.81	0.918521277	-0.294510176	9.47E-15	0	
IRX2	153572	UGGACUCGCUCACGGAUCA	Plate 3	C7	599	68.70	274.03	0.515785763	-1.127051366	0.028893511	0	
IRX2	153572	AGAGACACGAGGCGUACUA	Plate 3	D7	1229	292.66	170.97	4.105829828	1.865778612	5.28E-135	1	

IRX6	79190	CGACGAGUCUUCCUGCAUA	Plate 2	M13	136	289.66	288.14	2.163933162	0.84518373	2.37E-16	1	3
IRX6	79190	GAAAGAACGCGACCCGGGA	Plate 2	N13	1345	204.80	234.45	1.706870346	0.502881266	1.64E-79	1	
IRX6	79190	GGAGAAACCGCGCAUCUGG	Plate 2	O13	484	108.59	493.96	0.460195465	-1.388153537	0.985697712	0	
IRX6	79190	GAGCCUAUUAUCCCUAUGA	Plate 2	P13	144	400.39	159.77	4.408790996	1.871910877	8.49E-33	1	
ISCU	23479	CGCCCUGGCUGAUUACAAA	Plate 1	E5	378	304.12	25.28	12.48946613	3.450755697	2.3E-177	1	4
ISCU	23479	GGUCUGAAUAUUUGAUAGA	Plate 1	F5	1564	135.32	193.00	1.556445199	0.446370575	1.39E-82	1	
ISCU	23479	UGGAGGAAGCCUUGACUAU	Plate 1	G5	455	212.69	25.34	9.543049767	3.062566189	1.22E-210	1	
ISCU	23479	CAGCAUGUGGUGACGUAAU	Plate 1	H5	166	254.99	44.41	7.298549576	2.675725582	7.14E-66	1	
JPH2	57158	GAGGGCACCUGGAACAAUG	Plate 4	I6	452	60.38	213.08	0.605195924	-0.932811191	7.28E-10	0	0
JPH2	57158	AAGCAGCGGUGCCAAGUAU	Plate 4	J6	88	175.77	346.29	0.808170219	-0.515554274	0.002891001	0	
JPH2	57158	GGCAUGGGCUGGGCAUAGA	Plate 4	K6	671	62.23	111.35	0.872524272	-0.405018198	1.97E-59	0	
JPH2	57158	UCAAGGGACGCUACGGAAU	Plate 4	L6	902	56.92	362.99	0.482410897	-1.259950965	0.032372806	0	
KCNA4	3739	UCACAUGCCUUAUGGUUAU	Plate 1	I9	922	105.81	480.79	0.414950701	-1.460872357	0.000000737	0	3
KCNA4	3739	CAAAGGCUGUGGAGACUGA	Plate 1	J9	659	154.19	329.45	1.344750318	0.235454123	2.46E-08	1	
KCNA4	3739	CGACAGGGAUCUCGUCAUG	Plate 1	K9	1123	134.35	105.39	2.157724059	0.91762617	2.62E-97	1	
KCNA4	3739	GCGGGUGUCUUAACCAUUG	Plate 1	L9	960	190.56	301.58	1.548631794	0.439109959	2.05E-25	1	
KCND1	3750	ACGAAGAGCUGGCUUUCUA	Plate 2	A12	1305	194.75	392.97	0.902391072	-0.416647509	0.00094205	0	1
KCND1	3750	GGACGGCGCUUUGAGACUU	Plate 2	B12	1307	82.59	282.79	0.536998605	-1.165481962	0.0000821	0	
KCND1	3750	GAGAAGGGCACAAACAAGA	Plate 2	C12	45	276.91	338.40	1.275862756	0.083000938	0.000245078	1	
KCND1	3750	GCCAUGAGUUCACAGAUGA	Plate 2	D12	1073	31.68	430.35	0.162973069	-2.885766722	2.2E-71	0	
KCNH2	3757	CGCGGAAGCUGGAUCGCUA	Plate 2	I3	519	128.48	305.56	0.846639112	-0.508653165	2.58E-12	0	0
KCNH2	3757	CCACCUACGUCAAUGCCAA	Plate 2	J3	229	53.71	632.38	0.402331226	-1.582016589	0.00930593	0	
KCNH2	3757	GCUCAUCGCGCACUGGCUA	Plate 2	K3	166	67.99	304.13	0.968572183	-0.314540733	0.0000223	0	
KCNH2	3757	CCGACGUGCUGCCUGAGUA	Plate 2	L3	491	131.56	347.09	0.871427718	-0.467019301	0.0000181	0	
KERA	11081	GAGAAUGCCACCCAGCUAA	Plate 2	A11	7	2.50	5.94	0.392360951	-1.618218838	0.091694897	0	1
KERA	11081	AAGAAUGCCCUGAGGAAUA	Plate 2	B11	961	42.08	301.47	0.241503359	-2.318357049	5.06E-29	0	
KERA	11081	CAUCAAUUCUAGAUCUUCA	Plate 2	C11	425	300.77	205.48	2.752873221	1.192465962	8.24E-69	1	
KERA	11081	UCACAAAGGUUCCCCGAAU	Plate 2	D11	809	50.79	178.15	0.507049503	-1.248273701	2.1E-30	0	
KIAA0195	9772	GGUUGAAGGAGACAUCAUA	Plate 5	M7	738	30.01	298.47	0.198155087	-2.50922562	0.000442134	0	1
KIAA0195	9772	GCUGAAGCGUCGGGAGGUA	Plate 5	N7	897	42.69	352.83	0.260202169	-2.11622264	7.44E-15	0	
KIAA0195	9772	GGACCUCACCGAUGGCCUA	Plate 5	O7	18	33.98	50.98	0.920348408	-0.293675514	0.00011559	0	
KIAA0195	9772	CCACCUAUGGCAUCCGUAA	Plate 5	P7	476	222.92	107.83	4.07241626	1.851957501	3.98E-120	1	
KIAA0317	9870	UAAAUUUGCUGGCCCAAUA	Plate 2	E20	1504	82.33	371.27	0.405969605	-1.569028588	3.63E-10	0	2
KIAA0317	9870	GCACACCCUUCAAAUAGUA	Plate 2	F20	967	135.72	190.92	1.549199304	0.363050549	7.65E-58	1	
KIAA0317	9870	GCAUUUACUUUGAGGCUUA	Plate 2	G20	1440	94.11	216.44	0.858651615	-0.488327405	3.37E-20	0	
KIAA0317	9870	GCGCAAGGCUGGGCGUUAU	Plate 2	H20	1109	248.12	190.87	1.947190395	0.692921748	1.57E-121	1	
KIF3A	11127	AAACAAAGCUCGACAUGGA	Plate 3	A13	262	445.33	127.39	7.472932816	2.72977933	8.09E-75	1	1
KIF3A	11127	UAUCGUAACUCUAAACUGA	Plate 3	B13	1543	78.53	324.23	0.427915375	-1.396497799	1.22E-16	0	
KIF3A	11127	ACACAAAGGUUAGAGGUUA	Plate 3	C13	789	79.15	500.44	0.479400939	-1.232590583	1.19E-28	0	
KIF3A	11127	GCGAUAAUGUGAAGGUUGU	Plate 3	D13	1322	108.03	275.01	0.641840458	-0.811608585	0.383077801	0	
KLHL17	339451	GAACAGUGCUGAACGCUAC	Plate 4	M14	1535	184.59	315.84	0.989119033	-0.224069314	9.91E-25	0	1
KLHL17	339451	GAACUGGUCUCUAGCGACA	Plate 4	N14	807	124.53	191.22	1.11532822	-0.050817038	1.72E-31	0	
KLHL17	339451	GCAAGUUUCUACUGAGUCA	Plate 4	O14	805	245.93	63.66	7.673834503	2.731662284	1.57E-118	1	
KLHL17	339451	UCAACUCGGUAGAGAGAUA	Plate 4	P14	1067	126.91	271.88	0.793416503	-0.542135057	0.001143395	0	
KLHL2	11275	CAACAGAGCAGCGUAUAUU	Plate 1	E9	1171	153.09	264.27	1.205951954	0.078288224	9.01E-32	1	3
KLHL2	11275	CGAACAAGUGUGCAGCUUA	Plate 1	F9	1189	266.13	195.30	2.324315961	1.024921991	4.92E-163	1	
KLHL2	11275	CAUCAGAAGCCUCUCGAUU	Plate 1	G9	827	285.80	133.34	3.889160227	1.767574466	2.08E-174	1	
KLHL2	11275	AGCAGGUGUUGGUGUGUUA	Plate 1	H9	45	139.86	213.86	1.129740362	-0.015892958	0.000000132	0	
KLHL30	377007	GAGAGAACUUUGAGGCUGU	Plate 1	E7	1555	93.44	423.48	0.508182382	-1.168465942	5.22E-26	0	2
KLHL30	377007	GGAUGGCACUUCCAGACUU	Plate 1	F7	284	559.95	110.26	12.67925363	3.472513711	1.38E-95	1	
KLHL30	377007	UGGGACAACUGGUGGACUU	Plate 1	G7	939	366.27	246.11	3.069216705	1.425986305	8.24E-118	1	
KLHL30	377007	GGUGAUGCGCUGUACGUGA	Plate 1	H7	1437	129.02	227.06	1.111677569	-0.039145798	9.03E-52	0	
KLRA1	10748	GAACAGAUGUCAUAGAGAA	Plate 3	A12	821	42.45	353.48	0.239606376	-2.23315702	6.63E-43	0	1
KLRA1	10748	UGACAAAGAUGAACUCGUA	Plate 3	B12	1315	70.15	244.92	0.703930608	-0.678390099	0.299884857	0	
KLRA1	10748	GAACUGGAUUCACGCCUUA	Plate 3	C12	896	329.58	103.39	5.562706843	2.303891855	7.3E-134	1	
KLRA1	10748	UGUCAACAUUGUAGAUCAU	Plate 3	D12	796	50.04	87.17	1.033162875	-0.124827513	1.58E-33	0	
KRT24	192666	GCACAAAUCUCCACUGAUG	Plate 1	E16	1202	91.26	346.55	0.493418865	-1.210999427	0.003590523	0	0
KRT24	192666	GAUCAUUGCUGCCACUGUU	Plate 1	F16	1068	82.24	336.09	0.462541788	-1.30422859	0.472666422	0	
KRT24	192666	GGUAUCUGGUGACUCAAGA	Plate 1	G16	1367	117.88	463.81	0.489973877	-1.221107468	6.54E-09	0	
KRT24	192666	UCAAGCAAGACUAGAGUGA	Plate 1	H16	1194	154.37	309.09	0.864482282	-0.401975906	1.79E-26	0	
KRT31	3881	GCAAUUCCUUCGUGCGCUA	Plate 4	A11	1364	138.21	235.88	1.297807943	0.167791533	1.41E-12	1	2
KRT31	3881	UGAAUCGGGUGCUGAACGA	Plate 4	B11	1075	194.01	430.40	1.178029124	0.028089839	0.299149408	0	
KRT31	3881	GACCAACGCGUGCAGCAAG	Plate 4	C11	251	24.05	297.60	0.345848661	-1.740072593	0.451252953	0	
KRT31	3881	CGGAUGAUUUCAGAACCAA	Plate 4	D11	957	184.94	146.77	2.175629495	0.913147522	6.62E-127	1	
KRTAP10-10	353333	CUAAGUCCGUCUGCUAUGU	Plate 1	M17	124	271.47	183.92	2.625373612	1.200638538	2.93E-27	1	1
KRTAP10-10	353333	UACACCAGCUCCUGCACAA	Plate 1	N17	703	78.37	270.95	0.933275172	-0.291509787	9.35E-23	0	
KRTAP10-10	353333	GCUGCGUGCCCGUCUGUAA	Plate 1	O17	358	149.30	288.92	0.828187438	-0.463854982	2.22E-13	0	
KRTAP10-10	353333	CUAAUAAAGCCGCCUCUGU	Plate 1	P17	609	123.80	214.63	1.034962778	-0.142305325	4.38E-19	0	
LAMA1	284217	GAAAUGAGCUCAAAUCAAA	Plate 3	M5	1195	152.19	250.29	1.218726704	0.113479421	1.68E-14	1	2
LAMA1	284217	CUAAAUAUCUCCAGGAAUC	Plate 3	N5	1175	100.64	149.89	1.359932063	0.27163936	6.62E-78	1	
LAMA1	284217	CACAAUCACUCUGGACUUA	Plate 3	O5	1146	100.12	382.18	0.771555679	-0.546053045	1.29E-25	0	
LAMA1	284217	GGUCAAUGCUAAUCUGAGA	Plate 3	P5	1472	112.52	273.41	0.828463763	-0.443384721	0.094778102	0	
LCOR	84458	GAAGCAAUCUCAGUGGUUA	Plate 4	I9	1511	131.50	363.12	0.540239009	-1.096615645	9.68E-10	0	0
LCOR	84458	UAUCAUUGCUUGCACGUAA	Plate 4	J9	1441	88.08	185.72	0.78249844	-0.562125586	5.46E-19	0	
LCOR	84458	GUCAGAACCUAGCGAACAA	Plate 4	K9	1277	55.31	261.62	0.355765651	-1.699286237	0.053663401	0	
LCOR	84458	GAACCAAAGCCUGCCGAAA	Plate 4	L9	215	133.73	260.14	1.102021464	-0.068133045	1.86E-17	0	
LCT	3938	GGAGUGCGAUGGACAAUUU	Plate 1	A8	244	417.18	237.97	4.372013325	1.936413591	2.06E-56	1	1
LCT	3938	GCUACCACCUAAUACAGUA	Plate 1	B8	574	121.44	690.28	0.447707414	-1.351256094	3.95E-26	0	
LCT	3938	UCUACUACCUUCGGACUUA	Plate 1	C8	1531	175.89	415.57	1.034284473	-0.143251164	1.61E-14	0	
LCT	3938	AGUCAGAUCACCCAUUAUA	Plate 1	D8	1652	170.10	631.12	0.414233832	-1.463366913	4.83E-27	0	
LEO1	123169	GCAGAUAGGUGUUCAAAGA	Plate 1	I15	1456	111.34	323.22	0.639537492	-0.836783365	0.081861624	0	0
LEO1	123169	GGAACAGGAUCAUAAAUCA	Plate 1	J15	982	139.67	309.30	0.885925068	-0.366627621	0.0000161	0	
LEO1	123169	GCCGGUAGCUUCUGAUAAU	Plate 1	K15	807	295.29	411.00	0.971116695	-0.234167633	1.59E-34	0	
LEO1	123169	UCAGGACAACCAAGUAAUA	Plate 1	L15	1223	165.04	365.33	0.644056572	-0.826624885	0.00000536	0	
LGALS4	3960	ACAUAGCUCUGCACAUUAA	Plate 1	M20	570	138.38	186.70	1.125967214	-0.020719387	2.17E-83	0	0
LGALS4	3960	GCGAGCACAUGAAGCGGUU	Plate 1	N20	563	173.67	312.53	0.986670053	-0.21124458	1.07E-48	0	
LGALS4	3960	GCUCGAAGAACCAUCAUCA	Plate 1	O20	462	73.49	181.68	1.096325218	-0.059208379	2.81E-52	0	
LGALS4	3960	ACCCGACGCUGCCUUACUA	Plate 1	P20	1016	191.45	343.16	0.77529041	-0.559075483	2.8E-10	0	
LIN28A	79727	GCAGUGGAGUUCACCUUUA	Plate 1	A11	647	308.87	295.23	2.074063666	0.860575973	2.43E-37	1	2
LIN28A	79727	GGUGGAGUAUUCUGUAUUG	Plate 1	B11	1176	88.71	389.13	0.432321637	-1.401707259	1.94E-15	0	
LIN28A	79727	CUACAACUGUGGAGGUCUA	Plate 1	C11	1002	238.64	204.80	2.653450504	1.215985431	1.61E-121	1	
LIN28A	79727	GAAGGGUUCCGGAGCUUGA	Plate 1	D11	1406	74.89	521.88	0.205249483	-2.476433716	1.21E-47	0	
LIX1L	128077	GAAGCUGACAACCCAAAUA	Plate 2	M3	463	98.57	596.50	0.596103206	-1.01483817	0.006465426	0	1
LIX1L	128077	GGUGUUGGCUCAUUAUUCG	Plate 2	N3	1283	87.59	347.05	0.493098148	-1.288525468	0.000325849	0	
LIX1L	128077	GAACGACAAUGCUCUCGGC	Plate 2	O3	1448	50.97	467.28	0.244819525	-2.298681685	2.46E-57	0	
LIX1L	128077	CCUUAUGUCUGCUAUGUCA	Plate 2	P3	1447	144.98	198.84	1.490462929	0.307288284	8.97E-25	1	
LMNB1	4001	GAAGGAAUCUGAUCUUAAU	Plate 2	E4	1306	111.02	446.75	0.411576739	-1.549238856	5.97E-13	0	2
LMNB1	4001	CAACUGACCUCAUCUGGAA	Plate 2	F4	607	30.77	564.89	0.145862104	-3.045795192	6.8E-57	0	
LMNB1	4001	GAAAGAGUCUAGAGCAUGU	Plate 2	G4	380	54.09	108.22	1.278167089	0.085604237	2.4E-64	1	
LMNB1	4001	GCAUGAAACGCGCUUGGUA	Plate 2	H4	387	139.70	182.67	2.328965174	0.951216858	2.45E-60	1	
LPHN2	23266	GGAAUGGGCUUGCAAAGUU	Plate 2	I22	343	59.88	151.13	0.877068924	-0.457710083	4.8E-38	0	1
LPHN2	23266	GGCAAGAACUCAAUUGAUU	Plate 2	J22	1257	93.65	222.38	0.713980188	-0.754516261	2.03E-21	0	
LPHN2	23266	GAAAGAACGAGGAAUAUUG	Plate 2	K22	1561	131.50	384.25	0.586716495	-1.037736752	0.006992997	0	
LPHN2	23266	CGACAAACGUGCCGCAUCA	Plate 2	L22	321	282.41	93.85	4.423127719	1.876594692	2E-67	1	
LPP	4026	CAAGAAGUCUACAUUGAAA	Plate 3	A11	1179	141.37	381.24	0.748557071	-0.589711004	0.18575482	0	2
LPP	4026	UGCGAGCCCUGCUACAUUA	Plate 3	B11	1477	146.83	176.56	1.739957931	0.627157203	1.08E-66	1	
LPP	4026	GAGCUCCACUGGUUCAACA	Plate 3	C11	142	236.13	206.65	3.274584484	1.539416631	1.19E-30	1	
LPP	4026	CCAGGGACGCUAUUAUGAA	Plate 3	D11	1126	63.97	384.09	0.352165186	-1.677571021	1.94E-29	0	
LRRC16B	90668	CAGAAACGCUGCCGCAAGA	Plate 2	I7	772	137.46	240.39	0.765247883	-0.654473154	1.2E-31	0	1
LRRC16B	90668	CCACAUGGCACAUAGCUGA	Plate 2	J7	1212	188.08	217.53	1.386431201	0.202903818	1.19E-91	1	
LRRC16B	90668	AAACCAAGCUUCAGCGCCA	Plate 2	K7	7	38.65	32.00	0.938851397	-0.359503479	0.011383629	0	
LRRC16B	90668	AAACGGCGCUCUUCAGACG	Plate 2	L7	28	152.43	406.19	0.97720459	-0.301739663	0.001098217	0	
LRRC20	55222	GAAGAUGGGUGAGGCCGUG	Plate 4	I4	628	103.17	193.44	0.951014488	-0.280746143	1.96E-34	0	1

LRRC20	55222	CAAGGAAGGUCAACGAGAC	Plate 4	J4	391	132.51	178.39	1.120162266	-0.044577632	5.21E-21	0		
LRRC20	55222	GCAUCAACCUCCGCUUCAA	Plate 4	K4	575	88.75	107.95	2.009979454	0.798895387	2.35E-41	1		
LRRC20	55222	GCUCAUGUCUCCGGAAGGC	Plate 4	L4	1115	18.54	318.90	0.093194883	-3.631890817	2.64E-135	0		
LRRC8D	55144	UUGAGCAUCUGAUUGGUUA	Plate 3	A6	1236	77.44	493.85	0.292160335	-1.947062993	2.05E-39	0	2	
LRRC8D	55144	GAUGAUAGGACUUGAAUCU	Plate 3	B6	655	52.69	401.47	0.332676581	-1.759703004	2.82E-18	0		
LRRC8D	55144	GGUGGGAUGUGUUUAUGGA	Plate 3	C6	1654	121.75	200.79	1.130732549	0.005362508	4.73E-57	1		
LRRC8D	55144	GAGAGUUGCGGCACCUUAA	Plate 3	D6	266	45.51	171.08	1.219845588	0.114803316	1.79E-21	1		
LRTM1	57408	CAACAAUUCCCUUUCAAAU	Plate 5	E9	1552	183.12	146.42	2.328840639	1.045684388	1.93E-143	1	1	
LRTM1	57408	CUUCAGCACUUGCAGGUUU	Plate 5	F9	485	79.90	450.54	0.271289633	-2.056021711	0.001455904	0		
LRTM1	57408	UAACUAUACUUGCGGUUCA	Plate 5	G9	1251	105.95	183.44	0.823148082	-0.454703637	2.84E-54	0		
LRTM1	57408	GGGACUAACAGACGGCAUC	Plate 5	H9	945	89.74	220.93	0.616370672	-0.87205741	0.00000126	0		
LUZP4	51213	AAGGUUAACUUCCUAGAUA	Plate 3	E20	795	39.58	157.38	0.598094106	-0.913450817	0.0000601	0	1	
LUZP4	51213	CAGAGAUACUCAACAGGUA	Plate 3	F20	409	124.06	270.81	0.681630963	-0.724832445	2.86E-22	0		
LUZP4	51213	GAUCUCAAGGGCAGCUAAA	Plate 3	G20	541	63.03	64.87	1.46947477	0.383405367	1.41E-111	1		
LUZP4	51213	CCGAAACCACUUAGAGAGA	Plate 3	H20	1302	204.30	283.56	1.044037223	-0.109722072	0.079137492	0		
LZTS2	84445	GAAUGAGGCUACCAUGUGC	Plate 1	A12	1195	136.70	352.10	0.680390222	-0.747449894	0.00000619	0	1	
LZTS2	84445	CAACAGCCUUCAAGCCAGU	Plate 1	B12	279	90.66	332.34	0.426731333	-1.420484257	0.000000237	0		
LZTS2	84445	GAAACUCACUGUCCAGCCU	Plate 1	C12	50	171.76	249.60	1.043113489	-0.130988079	0.00000028	0		
LZTS2	84445	GCAAUUGCAGGACGACUUC	Plate 1	D12	1622	248.93	193.89	2.482226527	1.119750574	2.48E-112	1		
MAB21L2	10586	GCAAAUCACUCCGGCGUUC	Plate 1	I7	1384	171.23	304.44	0.936197064	-0.287000061	0.964793079	0	1	
MAB21L2	10586	GAGGUCAAGUUGCGCAUCA	Plate 1	J7	673	312.90	128.76	3.299539133	1.530380321	2.21E-176	1		
MAB21L2	10586	GCUACUCGCUGACCGGCAA	Plate 1	K7	272	53.48	186.43	0.604430816	-0.918235087	1.93E-15	0		
MAB21L2	10586	GCUGUACGAGUGCGAGAAA	Plate 1	L7	1344	108.72	371.97	0.45478541	-1.328626329	1.89E-13	0		
MAFG	4097	GCAUGAAGCUGGAGCUCGA	Plate 2	A18	248	103.27	97.02	1.523919959	0.339314921	2.48E-44	1	3	
MAFG	4097	UCACAAUAGUAAAGUCCAA	Plate 2	B18	519	256.94	232.69	2.155573556	0.839599585	3.56E-70	1		
MAFG	4097	UCAGAGAACGCCAGCAUGA	Plate 2	C18	133	302.70	208.24	3.564229687	1.565118102	1.5E-29	1		
MAFG	4097	CCACUAGGCACAUGGCGAA	Plate 2	D18	1335	123.44	342.36	0.598596729	-1.008815908	0.023544216	0		
MANF	7873	UUAAAGAGCUGAAGAAGAU	Plate 1	A13	872	171.74	344.61	1.156572666	0.017971705	9.64E-16	1	2	
MANF	7873	GCAAAGAGAAUCGGUUGUG	Plate 1	B13	474	148.95	395.41	0.844231271	-0.436174032	4.07E-26	0		
MANF	7873	UGAAGAAGCUCCGAGUUAA	Plate 1	C13	1559	213.24	334.96	1.352594407	0.243845086	9.28E-16	1		
MANF	7873	GACUACAUCCGGAAGAUAA	Plate 1	D13	968	42.77	367.20	0.259855365	-2.136103459	9E-16	0		
MAP2K6	5608	CCAAAGAACGGCCUACAUA	Plate 4	M13	503	473.33	145.85	8.849468584	2.937305456	1.75E-107	1	2	
MAP2K6	5608	GAUAAAGGCCAGACAAUUC	Plate 4	N13	627	191.14	105.37	4.025494652	1.800880705	9.68E-110	1		
MAP2K6	5608	GCUCAUGGAUACAUCACUA	Plate 4	O13	623	32.02	175.10	0.390499366	-1.564893257	0.727257807	0		
MAP2K6	5608	CAUCAAUGCUCUCGGUCAA	Plate 4	P13	1465	58.81	232.27	0.564542975	-1.033130054	0.00000135	0		
MDK	4192	CACCUCCGCGGUCGCCAAA	Plate 4	I12	920	30.97	85.39	0.643803517	-0.843593004	6.58E-61	0	2	
MDK	4192	GGAGCCGACUGCAAGUACA	Plate 4	J12	401	148.97	187.05	1.490084748	0.367109018	2.18E-18	1		
MDK	4192	GACUGCAAGUACAAGUUUG	Plate 4	K12	1641	122.27	187.53	1.180936192	0.031645648	3.71E-25	1		
MDK	4192	UGGAGCCGACUGCAAGUAC	Plate 4	L12	250	90.74	213.54	0.788590093	-0.550937877	4.71E-09	0		
MEGF6	1953	GGACCUGCCUGGCCAUUAA	Plate 3	E5	72	99.19	300.89	0.617465986	-0.867463652	0.000117047	0	2	
MEGF6	1953	GGCCAUGACUGCAGCUUGA	Plate 3	F5	530	143.36	64.87	4.234054726	1.910144695	2.56E-113	1		
MEGF6	1953	CAAGCACUGUCGCAAGAAA	Plate 3	G5	11	265.07	396.48	4.551539848	2.01445949	0.007165064	1		
MEGF6	1953	CGGCAGUGCUACCGGAUUG	Plate 3	H5	122	78.08	361.48	0.539260493	-1.062840972	0.383429541	0		
MEX3B	84206	GCGCACAACGGAAACAAUA	Plate 5	M17	1164	138.00	305.56	1.141258989	0.016698692	8.59E-26	1	1	
MEX3B	84206	GAACGUGGAUCGCGCUCGA	Plate 5	N17	1537	149.45	220.29	1.015122274	-0.152274017	4.03E-60	0		
MEX3B	84206	ACAAUAACGGCAAUGGGUA	Plate 5	O17	926	60.59	204.66	0.938430842	-0.265605197	0.000752704	0		
MEX3B	84206	CGGCAAGGUUGUAAAAUCA	Plate 5	P17	1018	72.10	314.06	0.593181343	-0.927382405	3.87E-09	0		
MGST3	4259	GACGAGUUCUUUAUGCUUA	Plate 3	M13	1471	120.76	172.72	1.420374637	0.334376282	5.55E-40	1	2	
MGST3	4259	AAAGUGGAGUAUCCUAUCA	Plate 3	N13	38	302.41	139.52	2.442671854	1.116564845	7.75E-13	1		
MGST3	4259	AGUGUAUCCUCCCUUCUUA	Plate 3	O13	784	56.06	170.97	0.641261668	-0.812910145	0.057865281	0		
MGST3	4259	GAACCCAGCAAGCGUAGUC	Plate 3	P13	202	39.02	98.86	0.809538437	-0.476723735	3.76E-18	0		
MITF	4286	GAACGAAGAAGAAGAUUUA	Plate 3	A3	1221	93.39	435.53	0.319884025	-1.81627437	3.61E-42	0	0	
MITF	4286	GCAGAUGGAUGAUGUAAUC	Plate 3	B3	1297	224.40	356.89	1.234970193	0.132581	0.025867461	0		
MITF	4286	GACCUAACCUGUACAACAA	Plate 3	C3	265	123.65	433.56	0.987598059	-0.189899316	0.0000171	0		
MITF	4286	AGACGGAGCACACUUGUUA	Plate 3	D3	1177	119.52	502.21	0.524584802	-1.102647304	0.000174754	0		
MLANA	2315	GAAACUCUCUGCAGAACAG	Plate 1	M15	819	92.46	367.29	0.551653989	-1.050048645	0.911882467	0	2	
MLANA	2315	CCAAUGCUCCACCUGCUUA	Plate 1	N15	312	308.45	175.25	3.972632934	1.798211289	3.02E-50	1		
MLANA	2315	ACAAGAAGAUGCCCACAAG	Plate 1	O15	802	76.49	236.85	0.729267224	-0.647364746	2.7E-22	0		
MLANA	2315	GCUCAUCGGCUGUUGGUAU	Plate 1	P15	1332	319.77	292.42	1.881962488	0.720353665	7.98E-69	1		
MOB1A	55233	GAAGCAAGCUGUCCAGUCA	Plate 3	M11	51	124.67	163.15	1.823287414	0.694646777	9.72E-15	1	3	
MOB1A	55233	GCAGAUGGUACUAAUAUUA	Plate 3	N11	1681	147.80	169.62	1.804811533	0.67995297	1.7E-44	1		
MOB1A	55233	CAAAGACUAUUCUAAAGCG	Plate 3	O11	695	50.85	273.15	0.476486398	-1.241388287	0.287335184	0		
MOB1A	55233	AAUCUGAGACAAGCUGUUA	Plate 3	P11	509	238.01	413.12	1.144041079	0.022243633	1.88E-20	1		
MS4A6E	245802	CAACCCGGCUGCAUUAAAU	Plate 4	I14	1510	99.41	360.75	0.45947692	-1.330221067	0.167290555	0	1	
MS4A6E	245802	GCUGGUUUCUACUGUGUUG	Plate 4	J14	672	119.57	251.25	0.711761395	-0.698819778	4.85E-25	0		
MS4A6E	245802	GGAUAUACCAACCAGACUU	Plate 4	K14	213	160.30	163.93	1.682208986	0.542071579	3.44E-45	1		
MS4A6E	245802	GGCAAAAGUCAAAGUUAUU	Plate 4	L14	1379	85.53	166.54	0.829124813	-0.478624168	4.22E-31	0		
MSH2	4436	GAAGAGACCUUAACUAUGC	Plate 5	A13	1256	127.02	344.97	0.682247389	-0.725560658	0.015846642	0	1	
MSH2	4436	CAGCAAACUUACAAGAUUG	Plate 5	B13	1351	60.25	412.57	0.304368823	-1.890035037	4.9E-37	0		
MSH2	4436	CAGCUUUGCUCACGUGUCA	Plate 5	C13	1000	375.98	200.23	2.964183498	1.393707229	1.7E-162	1		
MSH2	4436	GGAGGUAAAUCAACAUAUA	Plate 5	D13	1210	59.65	355.53	0.280233412	-2.009226652	1.52E-89	0		
MUC7	4589	CACCAGAAGCCGUUCAUUA	Plate 3	M3	349	304.90	230.29	2.222951492	0.980581245	2.15E-77	1	2	
MUC7	4589	CACAAACGCUGUAGGCCUA	Plate 3	N3	1077	70.69	299.25	0.575330717	-0.969431819	0.002112884	0		
MUC7	4589	CCACCUAAACAUCCAGAUA	Plate 3	O3	42	283.63	283.11	1.544840366	0.455562546	0.0000011	1		
MUC7	4589	GAAGAAUCUACUAAACAGA	Plate 3	P3	1522	98.64	314.51	0.643341106	-0.808239444	0.028530751	0		
MZB1	51237	GGACAUGUUUGCACUACUU	Plate 5	A20	88	259.24	456.53	1.509686375	0.420321341	0.00000347	1	2	
MZB1	51237	GAAGGUGUCAGCCACAAGA	Plate 5	B20	707	354.65	449.76	1.383357573	0.294246584	4.29E-21	1		
MZB1	51237	GGAGAAGACCAGAUCUAUG	Plate 5	C20	1344	85.31	366.96	0.42019638	-1.424791892	9.16E-23	0		
MZB1	51237	ACUCUACCCUCCUCUGAAA	Plate 5	D20	1001	23.27	399.99	0.207563092	-2.442305695	3.98E-120	0		
NACA2	342538	UCACAAAACUGGACGUCUA	Plate 5	A17	1350	169.45	196.98	1.796088832	0.670931174	1.2E-29	1	2	
NACA2	342538	GAAGCUGUCGGAAACAUUC	Plate 5	B17	1026	159.82	291.97	0.967642233	-0.221381889	2.27E-27	0		
NACA2	342538	GACGUGAAAUUGGUCAUGU	Plate 5	C17	1115	331.79	346.11	1.925894052	0.771600808	3.21E-13	1		
NACA2	342538	GGAUUGAAGAACAGGAUUC	Plate 5	D17	471	40.16	92.93	0.993722796	-0.183012166	9.38E-57	0		
NCBP1	4686	CUGAGAAGCUGACAAUUUA	Plate 5	M10	520	129.79	105.58	2.433338371	1.109009418	1.52E-117	1	2	
NCBP1	4686	CAACCUGCAUUUACAAGUA	Plate 5	N10	250	73.75	102.59	1.122806204	-0.006818591	1.42E-46	0		
NCBP1	4686	GAUGAUUGCUGUACUAGUG	Plate 5	O10	513	168.09	116.88	2.354422174	1.061445503	3.97E-92	1		
NCBP1	4686	GUACACAACACUCCUCAUU	Plate 5	P10	321	107.54	145.19	1.109849778	-0.023563116	1.8E-48	0		
NDUFA6	4700	CGAGAAAUGUUUAUGAAGA	Plate 4	M18	1698	102.89	198.39	0.91726023	-0.332882372	6.74E-19	0	3	
NDUFA6	4700	GGAAGCAGCGGACACAUGU	Plate 4	N18	370	154.67	150.62	2.11450738	0.872036228	1.51E-33	1		
NDUFA6	4700	GAUCGAACUGGAAGAAACA	Plate 4	O18	265	243.50	196.86	2.694945903	1.221970946	1.19E-27	1		
NDUFA6	4700	GAAAAUGGGACGGGAUAAA	Plate 4	P18	619	77.61	81.83	2.517032482	1.123438467	9.32E-131	1		
NEDD8	4738	GAAAGGAGAUUGAGAUUGA	Plate 3	E13	471	305.60	552.46	1.214984626	0.109042837	2.26E-19	1	3	
NEDD8	4738	AGAUUGAGAUUGACAUUGA	Plate 3	F13	991	242.13	365.23	0.880078433	-0.356191214	3.09E-19	0		
NEDD8	4738	CAGACAAGGUGGAGCGAAU	Plate 3	G13	818	369.60	236.01	2.050233351	0.863892901	2.61E-173	1		
NEDD8	4738	GGAGAUUGAGAUUGACAUU	Plate 3	H13	68	200.28	133.63	1.755839375	0.640265651	3.02E-17	1		
NFIC	4782	CCGGUGAAGAAGACAGAGA	Plate 4	M5	30	179.06	304.13	2.777825635	1.265670676	0.014918868	0	1	
NFIC	4782	AGGACUUCGUGCUGAGCAU	Plate 4	N5	530	44.09	66.83	1.380147608	0.256537205	2.6E-58	1		
NFIC	4782	ACUUCAAGAAGCACGAGAA	Plate 4	O5	1052	98.40	221.79	0.648869012	-0.832286193	2.44E-13	0		
NFIC	4782	GCAAGAAGGCGCCGGGCUG	Plate 4	P5	1552	64.46	236.72	0.502733808	-1.200418752	0.074230121	0		
NFRKB	4798	CAUCAUGACUCGAGUAAAU	Plate 5	E19	485	43.54	310.57	0.573257046	-0.976673443	0.870747017	0	2	
NFRKB	4798	GCAGGAGCGUUACAGGUAU	Plate 5	F19	724	76.40	414.68	0.32650522	-1.788749569	0.427941989	0		
NFRKB	4798	GCAGUUAUGCUUCAAGUCA	Plate 5	G19	558	196.96	242.46	1.574996282	0.481420891	1.4E-30	1		
NFRKB	4798	GCACUGGAUCGGCUACAUU	Plate 5	H19	715	493.90	187.11	4.270805372	1.920580621	5.14E-187	1		
NFYB	4801	GUUACCAGCUGGCUUAAUA	Plate 2	A20	829	165.68	168.65	1.406111008	0.223238286	1.23E-163	1	3	
NFYB	4801	GAUAUUCUCUUUGCUAUGU	Plate 2	B20	362	123.56	247.83	1.05245053	-0.194719787	6.5E-22	0		
NFYB	4801	UAAGUGAGUUCAUCAGUUU	Plate 2	C20	493	137.78	234.66	1.293252222	0.102531461	1.08E-62	1		
NFYB	4801	GAAAGGUGCCAUCAAGAGA	Plate 2	D20	1095	185.07	213.85	1.260961778	0.066052336	1.02E-154	1		
NME9	347736	GCACAGAAAUGCCCUUCAA	Plate 1	A17	225	378.65	182.52	5.128378989	2.166618674	1.94E-46	1	3	
NME9	347736	GAAAGACUGAUGAGAUUAU	Plate 1	B17	36	181.95	154.63	1.293394676	0.17927837	0.000000278	1		
NME9	347736	UCUAACAAAUGAAGAGAGA	Plate 1	C17	1475	212.12	269.37	1.284094685	0.168867379	1.55E-59	1		
NME9	347736	GACAUGGUUUCAUCAGAGA	Plate 1	D17	1225	103.61	456.15	0.420270554	-1.442493925	6.44E-08	0		
NOD1	10392	GCGAAGAGCUGACCAAAUA	Plate 5	E13	230	72.54	481.22	0.430731025	-1.389068384	0.053859511	0	0	
NOD1	10392	UAACAGAGAUUUGCCUAAA	Plate 5	F13	843	71.68	371.22	0.440131514	-1.357920954	0.386632754	0		

NOD1	10392	GAAAUAAUCCCAUCAGAGU	Plate 5	G13	1072	93.57	355.94	0.445356264	-1.340895741	0.017725049	0	
NOD1	10392	GCAAAGGCCUCACGCAUCU	Plate 5	H13	1218	43.37	331.81	0.26366767	-2.097134943	1.1E-11	0	
NOS2	4843	GAAGAGAGAUUCCAUUGAA	Plate 3	I9	888	75.49	214.46	0.821073705	-0.456311583	0.004167962	0	2
NOS2	4843	GAAAGAAGUCUCCAGAAUC	Plate 3	J9	1000	127.84	238.82	1.152215412	0.032515239	2.88E-58	1	
NOS2	4843	UAUCGAAUUUGUCAACCAA	Plate 3	K9	1361	116.78	116.77	2.154788223	0.935650863	4.92E-191	1	
NOS2	4843	UCUGCAGACACGUGCGUUA	Plate 3	L9	1035	90.43	146.23	1.083522359	-0.056166297	2.03E-30	0	
NTNG2	84628	GGGAGAACCUCUACAAGUA	Plate 1	M9	469	229.82	250.23	1.271976022	0.155187267	1.52E-32	1	1
NTNG2	84628	GAGAGGUUCUGCUCCCAUG	Plate 1	N9	1130	97.27	408.66	0.400473411	-1.512105844	0.026906759	0	
NTNG2	84628	GAACGUCUGCAUUGAGUGU	Plate 1	O9	1422	58.61	333.29	0.389670442	-1.551557799	0.02490485	0	
NTNG2	84628	GCAUGGAGGCCUUCGGUAU	Plate 1	P9	531	37.18	93.34	0.641565489	-0.832215764	1.9E-10	0	
NUDT10	170685	GCACAGAACGUACGUGUAU	Plate 1	E14	1526	242.68	415.62	1.13160927	-0.013508307	2.27E-30	0	1
NUDT10	170685	GACGAGGUCCUGUUAGUGA	Plate 1	F14	1253	159.28	379.09	0.744592464	-0.617361287	0.00000405	0	
NUDT10	170685	CGCCGAAUAUCUGGAGAAA	Plate 1	G14	209	125.54	276.26	0.988349995	-0.208790282	1.38E-25	0	
NUDT10	170685	GUGCAAACCCAACCAGACA	Plate 1	H14	91	255.74	190.25	3.053181633	1.41842921	1.32E-20	1	
NUP107	57122	GGAAAUCUCUCCAUGGUUA	Plate 5	E6	591	82.95	348.67	0.481956305	-1.226953271	0.040019646	0	1
NUP107	57122	GAAAGUGUAUUCGCAGUUA	Plate 5	F6	109	112.25	259.55	0.833979708	-0.435843345	0.00000109	0	
NUP107	57122	CAUCAGAGCUUAUUUGGAA	Plate 5	G6	385	108.38	218.61	1.37693758	0.287535628	4.34E-19	1	
NUP107	57122	UAUCAGUGCUGUUAUGUUA	Plate 5	H6	1512	115.73	242.95	0.909426055	-0.310899289	2.91E-18	0	
NYX	60506	GAGCUGAACCUCACCACGU	Plate 5	A14	322	39.03	117.83	0.781019709	-0.530496671	8.84E-20	0	1
NYX	60506	GGAUGUUGGUCCUGCUUCU	Plate 5	B14	70	320.32	163.41	2.402904364	1.090851698	1.03E-16	1	
NYX	60506	GCAUCGCCUUCGUGGAGGA	Plate 5	C14	771	79.56	287.07	0.483345567	-1.222800617	0.840753801	0	
NYX	60506	UCCAGAACCUCUCGGGUCU	Plate 5	D14	1096	31.52	438.43	0.170633431	-2.724955297	7.32E-43	0	
OAT	4942	UAACGUACUUGGUGAAUAU	Plate 2	E3	964	106.39	123.26	1.756022628	0.543839227	7.24E-146	1	3
OAT	4942	GGUAGGACGUUGUCUGCUA	Plate 2	F3	1372	143.36	194.08	1.777917891	0.56171649	5.58E-55	1	
OAT	4942	CCUGUAAACUAGCUCGUAA	Plate 2	G3	653	286.32	228.78	2.58471554	1.101533305	4E-21	1	
OAT	4942	GACCAUUUAUGCCGGGAUU	Plate 2	H3	825	62.23	475.40	0.294790307	-2.030711218	4.67E-20	0	
OBP2A	29991	AGGCCAUGGUGGUCGAUAA	Plate 1	I6	1399	194.60	283.78	1.038214714	-0.137779368	1.05E-74	0	2
OBP2A	29991	UGGGAAAGCUUGUGGGUAG	Plate 1	J6	546	133.31	180.24	1.754299177	0.619010598	5.03E-76	1	
OBP2A	29991	AGAAAAUCCUGAUGCGGAA	Plate 1	K6	1448	108.04	325.95	1.030529985	-0.148497723	4.13E-10	0	
OBP2A	29991	UUAAGAAAUUGGUGCAGCA	Plate 1	L6	640	255.40	198.46	2.390625913	1.065504186	1.56E-120	1	
OGFR	11054	GAGAAGAUCGCUCUGAAUU	Plate 3	E14	1277	18.75	305.66	0.104984621	-3.423645309	2.59E-77	0	3
OGFR	11054	GAACUGGACGGACAACUAU	Plate 3	F14	322	119.61	174.99	1.868993635	0.730366434	1.23E-09	1	
OGFR	11054	GUAGGUAUCGGCACAACUA	Plate 3	G14	454	222.16	234.64	3.324268992	1.561141905	6.52E-09	1	
OGFR	11054	UCAGGGAGGUCGAGGUGUU	Plate 3	H14	35	524.17	97.41	8.441137182	2.905542149	8.78E-13	1	
OPN1LW	5956	GGUGCAGUCUUACAUGAUU	Plate 5	M12	786	232.74	247.46	2.084242173	0.885595386	2.86E-70	1	1
OPN1LW	5956	GACGAUGGCUCUGAACUCU	Plate 5	N12	1534	57.34	412.68	0.303545585	-1.893942437	9.35E-56	0	
OPN1LW	5956	UGGCAAAGCAGCAGAAAGA	Plate 5	O12	879	36.36	323.38	0.217203859	-2.376805894	3.46E-22	0	
OPN1LW	5956	UGAACUGGAUCCUGGUGAA	Plate 5	P12	994	232.90	377.50	0.913086634	-0.305103876	0.000000145	0	
OR2F2	135948	UCACAUACCUCAUGACAGU	Plate 4	A12	1288	195.15	220.29	1.532794989	0.407879382	1.4E-27	1	2
OR2F2	135948	GGCAUAAACUAUUAGAGAA	Plate 4	B12	1273	62.36	236.73	0.521576376	-1.147334936	0.061497876	0	
OR2F2	135948	CCUGUGAUUUAUAGUCUAA	Plate 4	C12	1255	83.68	239.57	0.754072969	-0.615509328	0.020433964	0	
OR2F2	135948	GCUGAUCUCUGUCUUCUAU	Plate 4	D12	1530	132.69	157.46	1.264042766	0.129759907	1.19E-60	1	
OR2J2	26707	GUAGUUCUCUUUGUGGUUA	Plate 2	E18	1563	196.61	612.04	0.444341755	-1.438730584	1.61E-47	0	2
OR2J2	26707	CAGAAAGUGUUUAGGACAU	Plate 2	F18	1133	92.39	452.70	0.348742148	-1.788239569	4.31E-35	0	
OR2J2	26707	UGAUGUCAUAUGAUCGUUA	Plate 2	G18	1367	164.24	222.48	1.473964982	0.291230041	1.25E-57	1	
OR2J2	26707	GUAGCUGUGUGUAGACCUU	Plate 2	H18	84	59.87	88.67	1.420182864	0.237604496	4.63E-23	1	
OR2T5	401993	ACACUGGAAAGUUGGAUUU	Plate 3	I21	870	99.32	293.41	0.647208393	-0.799593001	0.941880325	0	2
OR2T5	401993	ACAUCCAGCUCUACUUAGU	Plate 3	J21	1328	139.18	255.53	1.021530222	-0.141163334	1.69E-31	0	
OR2T5	401993	GAGACCCUCAUGUACCUAU	Plate 3	K21	770	179.60	209.35	1.672363677	0.569993392	4.63E-63	1	
OR2T5	401993	CUGUGAGAUUCGUCCUUUA	Plate 3	L21	256	86.11	63.83	1.947646015	0.78983627	7.37E-72	1	
OR52E2	119678	GAAGAGUACCUAAUACAUA	Plate 2	M5	659	109.32	223.85	1.187141976	-0.020979725	5.03E-28	0	2
OR52E2	119678	GCUCAAUCCUGUCAUAUAU	Plate 2	N5	952	207.77	303.98	1.522171109	0.337658334	0.000000521	1	
OR52E2	119678	GCAUAAUCUUUGUGCUGUU	Plate 2	O5	898	546.09	127.02	15.05118334	3.643332804	7.34E-236	1	
OR52E2	119678	CCAUAUACUCCUAGCCAAU	Plate 2	P5	773	80.70	387.06	0.472656778	-1.349607361	0.241738176	0	
OR5R1	219479	GGUGGCAGUUCCAUAUAUA	Plate 1	E15	1030	86.09	321.79	0.483685229	-1.239743822	0.949322025	0	1
OR5R1	219479	GCUAUUACACCGAAGAUGA	Plate 1	F15	1063	128.90	305.13	0.796824712	-0.519549911	1.55E-43	0	
OR5R1	219479	GGAUAAAGGUUGUGAAAAC	Plate 1	G15	1590	137.36	468.62	0.563721561	-1.018829554	0.003944782	0	
OR5R1	219479	GAACGCAACACCAUUCCUU	Plate 1	H15	390	177.97	145.54	3.224985879	1.497408636	2.18E-55	1	
OR6C68	403284	UGGCAGCACUUAUGAUUAU	Plate 3	E12	626	134.76	400.67	0.623662552	-0.853057681	0.0000274	0	2
OR6C68	403284	GUUCUGUCCUACACAUAUA	Plate 3	F12	124	79.39	152.37	1.297895254	0.204278734	9.47E-11	1	
OR6C68	403284	GUUCCAAGAUUCUUAUACA	Plate 3	G12	874	97.55	438.47	0.463764698	-1.280430311	7.91E-23	0	
OR6C68	403284	CCAUAUACCUAUGUUGAAA	Plate 3	H12	924	108.68	71.41	2.962535556	1.394937248	9.94E-119	1	
P4HTM	54681	CGACAGGGAUCACUUCAUC	Plate 4	M20	577	42.61	228.51	0.574068504	-1.008990558	0.000093	0	1
P4HTM	54681	UCAAGCCGCUGCUCUUCGA	Plate 4	N20	742	112.76	187.78	1.138040229	-0.021733811	1.25E-33	0	
P4HTM	54681	CGCUGCAGGUUGUUCGAUA	Plate 4	O20	1507	132.41	68.49	3.808193785	1.720821527	1.13E-205	1	
P4HTM	54681	AGGUUGGGUGGGUGACGUA	Plate 4	P20	941	34.49	106.40	0.666510758	-0.7935853	5.08E-37	0	
PALLD	23022	GAUCUAAGCUGGCAACUAG	Plate 5	M14	592	37.06	220.34	0.358259165	-1.654852017	0.011561011	0	1
PALLD	23022	GCACCUCGAUUCAUCCAAA	Plate 5	N14	822	39.72	173.94	0.586843515	-0.942879774	1.37E-10	0	
PALLD	23022	GUGCAACUGUCUUUAAUAU	Plate 5	O14	1021	202.53	194.66	1.808896204	0.681182095	6.41E-62	1	
PALLD	23022	GCUGGAAUGUCGUGUAUUG	Plate 5	P14	1204	168.36	399.87	0.683470377	-0.722976817	8.81E-16	0	
PAMR1	25891	GCACGUGCGUCCUUGACAA	Plate 5	I16	234	89.19	144.95	1.292810178	0.19658293	5.3E-24	1	4
PAMR1	25891	CAACGGACGCCAUGCUAAA	Plate 5	J16	676	256.15	147.94	2.521028909	1.16008513	1.61E-165	1	
PAMR1	25891	GAUAACAUGUUCUGUGCCA	Plate 5	K16	65	104.43	53.25	2.469320514	1.130186576	7.2E-19	1	
PAMR1	25891	GAUCAGAUUGAGUGCGUCU	Plate 5	L16	1399	142.36	211.96	1.384545265	0.295484689	1.78E-29	1	
PAQR7	164091	GCACACUUCUACUAUGCUA	Plate 2	I4	1120	347.12	175.00	3.828950532	1.668476813	1.14E-160	1	4
PAQR7	164091	UAACAAGUACAUCCAGAAA	Plate 2	J4	571	263.64	370.23	1.513660757	0.329569695	6.27E-27	1	
PAQR7	164091	GCACAACGAGGCCGUGAAU	Plate 2	K4	1636	180.42	197.09	1.970452173	0.710054524	1E-70	1	
PAQR7	164091	GUACAGCGCAAACUUGAUC	Plate 2	L4	749	290.42	202.14	3.974081502	1.722149252	1.25E-128	1	
PARP12	64761	AGUUGUAGCUUUCAAGAUA	Plate 3	M22	1346	67.44	197.54	0.699346386	-0.687816118	0.000140096	0	1
PARP12	64761	CGAUGGCAAUUCUUGGAUA	Plate 3	N22	953	73.95	323.15	0.551606965	-1.030182644	1.87E-12	0	
PARP12	64761	UAUGAUAGCUGCGUGAACA	Plate 3	O22	800	124.28	200.66	1.127172362	0.000812921	3.47E-61	1	
PARP12	64761	CCACUGACUGGAUUUGGUA	Plate 3	P22	1441	111.41	268.21	0.725452986	-0.634941194	0.060462233	0	
PARP2	10038	AAGGAUUGCUUCAAGGUAA	Plate 2	E22	1230	53.39	340.76	0.275583129	-2.127912734	2.26E-17	0	0
PARP2	10038	ACAGCUAGAUCUUCGGGUA	Plate 2	F22	1420	68.32	271.04	0.501680146	-1.263632459	4.62E-08	0	
PARP2	10038	GCCAGAGACAGGAGUCGAA	Plate 2	G22	1313	89.80	248.19	0.871968589	-0.466124139	0.00000489	0	
PARP2	10038	ACAAUUGGGAAGAUCGAGA	Plate 2	H22	1493	107.34	335.68	0.554469484	-1.119292242	0.812210749	0	
PATE1	160065	GAACUGUGCUGAUGUGAAA	Plate 2	M19	1536	247.56	273.20	1.521690233	0.337202494	5.47E-99	1	1
PATE1	160065	GAGAAAUGAUGCAGUCAAU	Plate 2	N19	772	70.29	375.54	0.494794595	-1.283570563	5.22E-09	0	
PATE1	160065	GGCAUUAUCUGGAUCACUU	Plate 2	O19	133	58.07	148.26	0.5948495	-1.017875598	3.76E-08	0	
PATE1	160065	GAUGGUAAUCCCUGGUUAA	Plate 2	P19	1024	211.15	363.77	0.989345217	-0.283926288	0.000000416	0	
PATE3	100169851	GCGCAAUACUCUCCAGAUA	Plate 5	M3	453	179.00	245.00	1.158551528	0.038394679	2.97E-13	1	2
PATE3	100169851	ACAUGGUGUGUCAGAAAUU	Plate 5	N3	124	54.63	263.59	0.723302167	-0.641257153	0.000233808	0	
PATE3	100169851	CAUGCAUGCUCUUAAGGAU	Plate 5	O3	1129	72.73	270.29	0.542536001	-1.056136754	0.000878934	0	
PATE3	100169851	GAUCUCAGGAAUCGGACUU	Plate 5	P3	1193	188.78	210.66	1.284773335	0.187586324	1.26E-129	1	
PCNA	5111	GAUCGAGGAUGAAGAAGGA	Plate 3	A14	185	102.34	73.36	3.705355354	1.717716686	1.24E-60	1	4
PCNA	5111	GCCGAGAUCUCAGCCAUAU	Plate 3	B14	309	71.62	91.26	1.437672349	0.351839696	1.78E-43	1	
PCNA	5111	GAGGCCUGCUGGGAUAUUA	Plate 3	C14	495	156.70	156.10	2.826057653	1.326895676	8.51E-53	1	
PCNA	5111	GUGGAGAACUUGGAAAUGG	Plate 3	D14	428	229.20	140.00	3.973011809	1.81833786	9.95E-113	1	
PDS5B	23047	GAUGAAUGCUAUCAAGUAA	Plate 5	E22	1238	200.19	406.25	0.874356334	-0.367634272	2.02E-17	0	1
PDS5B	23047	GAACUUCUACCUUAAGAUU	Plate 5	F22	1392	48.84	377.87	0.269244183	-2.06694045	2.47E-71	0	
PDS5B	23047	GAACAAAUCAAUAGAUGGA	Plate 5	G22	847	77.56	212.16	0.759963573	-0.569925359	7.05E-21	0	
PDS5B	23047	AGACGACUCUGAUCUUGUA	Plate 5	H22	1512	264.15	210.77	2.322457498	1.041724663	9.14E-163	1	
PEX10	5192	CGCAGAAGGACGAGUACUA	Plate 6	A3	678	82.68	439.63	0.484600419	-1.260557273	1.28E-15	0	0
PEX10	5192	GCUACAUGUUGCCUGGUUU	Plate 6	B3	528	173.42	406.02	1.017826269	-0.189933499	6.48E-11	0	
PEX10	5192	UCACCACACUUGCAGGCUA	Plate 6	C3	901	193.06	415.23	1.085668075	-0.096841741	0.003895238	0	
PEX10	5192	CCAAGAGGCUCACGGGGAU	Plate 6	D3	818	72.20	667.96	0.358426411	-1.695675976	1.98E-64	0	
PEX6	5190	GGCCAGAGCUCAUUAACAU	Plate 1	I18	653	297.88	406.04	2.052705475	0.845642436	1.13E-19	1	2
PEX6	5190	CAAAGGAAGCUGCUCAUUG	Plate 1	J18	741	67.01	463.65	0.32887322	-1.796280766	0.022297136	0	
PEX6	5190	AGAGUUACACAUCGAAAUU	Plate 1	K18	1007	68.34	316.25	0.435401368	-1.391466362	0.000506858	0	
PEX6	5190	UGGAAAUUAUGACGGUGUU	Plate 1	L18	896	392.39	399.80	1.873620586	0.713944626	2.2E-59	1	
PHF23	79142	GCAAGAAGCGGAAGUUAAA	Plate 1	I4	763	233.23	396.13	1.139040024	-0.004065765	3.27E-26	0	1
PHF23	79142	AAACGGCGGAGAACAAUUG	Plate 1	J4	441	111.32	167.61	2.019396893	0.82204028	3.95E-35	1	
PHF23	79142	CGAAAGAAGGACCGAAAGA	Plate 1	K4	1188	85.51	357.06	0.427609596	-1.417518074	0.66734422	0	

PHF23	79142	CUACCUUGCUUGAGAAGAU	Plate 1	L4	368	52.75	214.32	0.926846915	-0.30148123	3.36E-19	0	
PHF3	23469	UCAAGUAGGUGGCAGGAUA	Plate 5	I20	966	71.62	372.66	0.50205398	-1.168013139	0.030816723	0	2
PHF3	23469	GAGGUUGACUCUAUGUCUA	Plate 5	J20	1446	122.52	233.84	0.956325972	-0.23835317	1.04E-20	0	
PHF3	23469	CGAUAAGGAUCCUAUGCUA	Plate 5	K20	1350	271.61	122.32	3.493372933	1.630693133	5.92E-247	1	
PHF3	23469	GGACGAAGUCAGCCUGUAA	Plate 5	L20	486	83.07	254.43	1.262789137	0.162686223	0.001846445	1	
PHOSPHO1	162466	GGAAACGGCUGCAGAUGUG	Plate 3	M15	99	128.78	90.44	1.782034529	0.661630069	3.46E-22	1	2
PHOSPHO1	162466	CUACGAAGCCAUCCCUUUG	Plate 3	N15	1011	156.07	235.28	1.27121976	0.174318234	1.55E-47	1	
PHOSPHO1	162466	GCUUCGAGGUGAUUCUCAU	Plate 3	O15	1263	67.43	392.81	0.321627756	-1.808431403	1.04E-34	0	
PHOSPHO1	162466	GGGAAACGGCUGCAGAUGU	Plate 3	P15	600	51.76	576.66	0.256676935	-2.133869655	1.63E-47	0	
PITHD1	57095	GAGAUGAGACUGUACAAGA	Plate 2	M15	1519	69.51	240.70	0.54681648	-1.139343581	2.84E-09	0	1
PITHD1	57095	GGAUCUUACAGGAGAAUUA	Plate 2	N15	664	235.08	271.17	2.167660443	0.847666572	2.48E-42	1	
PITHD1	57095	CAUCUGCAAUUACGAAGCA	Plate 2	O15	525	95.66	215.36	0.860746549	-0.484811813	5.83E-27	0	
PITHD1	57095	GACCGACCGCUCCAAGUUU	Plate 2	P15	640	155.56	247.22	1.199067616	-0.006559194	0.000295442	0	
PKMYT1	9088	GGUAAAGCGUUCCAUGUCA	Plate 2	I11	775	264.07	334.17	1.564348667	0.377089892	4.08E-15	1	1
PKMYT1	9088	CCACGCAGAACCUGGAUUC	Plate 2	J11	466	116.43	428.08	0.540195895	-1.156917627	0.6985564	0	
PKMYT1	9088	GGGCGAGGCCUCAGAGACU	Plate 2	K11	564	150.98	291.13	1.102741917	-0.127377023	9.23E-22	0	
PKMYT1	9088	ACGGAGAGGUCUUCAAGGU	Plate 2	L11	562	62.10	335.42	0.566877659	-1.087362891	0.785599893	0	
PLA2R1	22925	GCAAGGAGGUACGCUGUUA	Plate 3	I16	94	286.29	415.04	1.311821574	0.219676285	2.78E-09	1	2
PLA2R1	22925	GAGCAGCCAUUAAGCUUAU	Plate 3	J16	204	153.08	374.45	1.039253047	-0.116348244	4.04E-09	0	
PLA2R1	22925	GCAAAUAUGACUUGGUAUG	Plate 3	K16	1571	146.40	169.21	1.419438448	0.333425068	2.27E-47	1	
PLA2R1	22925	CCUAGUAUCUGUAAGCGAA	Plate 3	L16	1341	55.11	243.60	0.382545228	-1.558192991	0.007511009	0	
PLEKHH1	57475	GGAAGUAGAUCGAUCCUGU	Plate 3	M4	603	64.35	356.29	0.446672918	-1.334604529	1.97E-23	0	2
PLEKHH1	57475	GCAGAUAUGUUGACCACAA	Plate 3	N4	250	66.81	132.91	1.167836576	0.05194318	1.04E-31	1	
PLEKHH1	57475	GGCAUGCGGCUCUCAGAUA	Plate 3	O4	912	65.23	393.47	0.5270743	-1.095816968	0.141028518	0	
PLEKHH1	57475	GAUCUACUGCCAACUCAUG	Plate 3	P4	558	160.39	198.65	1.584320356	0.491968862	2.24E-49	1	
PLEKHM1	9842	GCAAAGUCCUGGCAUCCUA	Plate 5	A18	1064	50.94	335.95	0.276256157	-2.029849006	7.34E-28	0	1
PLEKHM1	9842	GAACGCGUCUCUGUACGAG	Plate 5	B18	996	85.27	168.84	0.864856053	-0.383395597	9.02E-47	0	
PLEKHM1	9842	GCGAUUAGCUGCUGAGUCA	Plate 5	C18	800	347.68	41.33	12.43673587	3.46260845	4.53E-227	1	
PLEKHM1	9842	CCUAAGCUGUGCAGGGCGU	Plate 5	D18	1147	95.44	213.34	0.71298989	-0.661974006	1.09E-59	0	
PNMA5	114824	GAUGAGGGCCGAAGUAUGA	Plate 2	M8	1174	106.02	355.19	0.503109009	-1.25952928	0.387858117	0	1
PNMA5	114824	UGAAACAUCUCUUAGCUCG	Plate 2	N8	1615	120.25	286.02	0.809415748	-0.573519385	2.63E-11	0	
PNMA5	114824	GCAGUGCCUUGACGCCCUA	Plate 2	O8	377	35.83	273.65	0.328690989	-1.873668397	0.275986282	0	
PNMA5	114824	CCACUUUCCUGCUGCGCUU	Plate 2	P8	1492	200.52	118.51	4.368994453	1.858829065	1.04E-125	1	
POLA1	5422	GCAGUAACAUCGAUUGUAA	Plate 2	M11	323	375.26	81.66	6.854642179	2.508609149	3.11E-126	1	3
POLA1	5422	GACAUUAGACGUUUCAUUA	Plate 2	N11	753	389.45	85.48	5.847323083	2.279304098	3.31E-260	1	
POLA1	5422	UAACAUCGCUGGGAACAUU	Plate 2	O11	68	97.25	175.72	1.129034396	-0.09338277	1.46E-12	0	
POLA1	5422	GCUCAAAGGAUUAGAUAUA	Plate 2	P11	720	198.86	78.96	3.168247349	1.395212764	3.93E-191	1	
POLD1	5424	GAACUGUGCUCCCGAGAGA	Plate 1	E3	1193	381.14	194.24	3.453304576	1.596093376	7.51E-200	1	4
POLD1	5424	GCAAGAAGGUGCGGAAGGA	Plate 1	F3	821	121.71	161.55	1.615654882	0.500234852	2.33E-39	1	
POLD1	5424	GGAGGUAUCCCAUCUGAAU	Plate 1	G3	825	212.00	150.23	3.99737287	1.807167945	3.45E-76	1	
POLD1	5424	CCGACGUGAUCACCGGUUA	Plate 1	H3	1312	290.33	117.31	4.739797658	2.052941265	1.22E-227	1	
POLD3	10714	GAAUCAAACUUCCUGAAUC	Plate 4	E17	1285	48.90	231.04	0.468966995	-1.30072707	0.272928704	0	3
POLD3	10714	GAAGAGGAGCUUAACAUGA	Plate 4	F17	1018	221.72	155.21	1.98105353	0.777982496	1.38E-87	1	
POLD3	10714	ACAAUGAGCUGACCACCAA	Plate 4	G17	97	61.83	55.75	2.2515854	0.962655831	1.54E-27	1	
POLD3	10714	ACGAAAACGCGUACUAAAA	Plate 4	H17	1109	294.99	215.25	2.38538663	1.045937753	4.19E-147	1	
POLR3K	51728	GCGAACAUCCUGCUGUAA	Plate 2	M10	1558	158.65	299.34	0.807850684	-0.576311641	0.184226564	0	1
POLR3K	51728	AGAAGUGGAUGAUGUGCUU	Plate 2	N10	781	422.25	80.06	13.88670298	3.527159998	1.66E-161	1	
POLR3K	51728	GCAGAUGAGCCGAUGACCA	Plate 2	O10	175	48.29	417.34	0.398183024	-1.596968587	0.94065559	0	
POLR3K	51728	GCAAGGUAACAAAUCGGAA	Plate 2	P10	1532	73.19	353.95	0.391828083	-1.620179501	0.000000024	0	
POU3F3	5455	GCUCUAUUGUGCACUCGGA	Plate 4	E14	1107	25.73	169.51	0.303573818	-1.928166094	0.222904883	0	0
POU3F3	5455	UCAAGAUGGUCCAGAGCGA	Plate 4	F14	1057	76.72	281.44	0.541675434	-1.092784799	2.22E-12	0	
POU3F3	5455	CGCAAGAAGCGGACCUCUA	Plate 4	G14	358	65.96	164.70	0.778452672	-0.569604133	2.52E-24	0	
POU3F3	5455	CCGCGCAGGAGAUCACCAA	Plate 4	H14	425	46.96	171.15	0.887074191	-0.381158691	7.37E-24	0	
PPP2R5B	5526	GAACAAUGAGUAUAUCCUA	Plate 4	A14	1043	149.62	328.67	1.945347396	0.751742444	0.002036378	1	2
PPP2R5B	5526	GAACCAAACCAUCGUAUCA	Plate 4	B14	888	158.69	283.82	1.084576958	-0.091152942	1.36E-23	0	
PPP2R5B	5526	UCAAGUCGCUGUCUGUCUU	Plate 4	C14	648	459.32	159.64	6.315028744	2.450503933	6.52E-106	1	
PPP2R5B	5526	CUAGGAAGCAUCAUCAAUG	Plate 4	D14	954	97.51	186.15	0.959247514	-0.268310341	1.8E-41	0	
PRPSAP2	5636	GAAGAGAUCCCAGAUUACA	Plate 5	I6	981	246.97	332.27	2.168693588	0.942898699	2.17E-31	1	2
PRPSAP2	5636	CCAAUACAAUUCCACAUGA	Plate 5	J6	233	298.61	178.82	4.524743159	2.00390837	1.23E-59	1	
PRPSAP2	5636	GAAAGAGGUGCAUAUAAGA	Plate 5	K6	1406	79.90	245.63	0.549080925	-1.038836835	0.010853905	0	
PRPSAP2	5636	GAUGGCAACUCAUGGCUUG	Plate 5	L6	871	55.05	411.08	0.38717788	-1.542859095	6.02E-27	0	
PRTN3	5657	UGGCAUCAUCCAAGGAAUA	Plate 1	M22	1218	46.34	125.56	0.641762061	-0.831773798	3.01E-78	0	1
PRTN3	5657	GGAAUAGACUCCUUCGUGA	Plate 1	N22	23	404.15	113.88	6.023263596	2.39866119	1.9E-09	1	
PRTN3	5657	ACAACUACGACGCGGAGAA	Plate 1	O22	1125	196.88	428.53	0.746163171	-0.614321148	1.49E-25	0	
PRTN3	5657	CUGCAGGAGCUCAAUGUCA	Plate 1	P22	19	34.79	23.52	0.925145069	-0.304132695	0.0000262	0	
PSME3	10197	GGAAACAGUUGCAGAGCUA	Plate 3	M20	669	73.08	286.27	0.743061659	-0.600341387	3.76E-12	0	1
PSME3	10197	CCAAAGAAGUUAUUAGAAC	Plate 3	N20	1447	90.38	336.93	0.450602048	-1.321969447	1.74E-16	0	
PSME3	10197	GAAUCAAUAUGUCACUCUA	Plate 3	O20	1614	81.75	292.59	0.541152425	-1.057788304	0.00000667	0	
PSME3	10197	UCUGAAGGAACCAAUCUUA	Plate 3	P20	1454	108.82	116.28	2.053461029	0.866162346	7.45E-123	1	
PUS7L	83448	UAAUGAAGCAUGACGUUUA	Plate 2	I19	1368	128.57	363.42	0.641517194	-0.908912371	0.201282407	0	0
PUS7L	83448	GGACAGUUAGUUAAUAAGA	Plate 2	J19	1597	105.57	188.22	1.105227087	-0.124129383	2.73E-59	0	
PUS7L	83448	GGAGGGAUCAGCUAAUAUG	Plate 2	K19	1392	130.41	256.10	1.018662941	-0.241795443	2.21E-28	0	
PUS7L	83448	UCACGCAUAUACCAGCAAA	Plate 2	L19	379	91.42	372.02	0.486970926	-1.306564663	0.000951207	0	
R3HDM2	22864	CAACAGCCACCCUUGAAUA	Plate 5	I18	1162	72.36	381.90	0.401105243	-1.491874803	0.945308386	0	2
R3HDM2	22864	GUGAGUCGCUUCAAACUUC	Plate 5	J18	1114	99.68	520.46	0.329278703	-1.77654642	2.27E-14	0	
R3HDM2	22864	GGACAAAUGAGCCUUAGUC	Plate 5	K18	1123	174.65	266.79	1.481135828	0.392776418	1.64E-71	1	
R3HDM2	22864	CCAGUGUACUAUAGCAUGA	Plate 5	L18	163	86.61	87.73	1.549697703	0.458059286	1.83E-43	1	
R3HDML	140902	UGAAUGCCUUACUGGAUUA	Plate 6	E4	910	62.94	518.08	0.238427337	-2.283803266	1.19E-30	0	1
R3HDML	140902	CGGCAUACCUGGUCUGCAA	Plate 6	F4	924	227.23	342.46	1.456038372	0.326623546	0.169137963	0	
R3HDML	140902	CCAACAAGUUCACGUGGUU	Plate 6	G4	1376	224.77	209.91	2.060390408	0.827492898	9.99E-87	1	
R3HDML	140902	ACGCCUUGAUAAUGCCUAA	Plate 6	H4	371	59.97	407.99	0.551325875	-1.074447615	0.019890784	0	
RAB21	23011	GGAGAGACAUGUUUCCAUU	Plate 5	M11	1303	117.67	221.24	1.071568234	-0.074203813	7.89E-37	0	1
RAB21	23011	GAGUAAACCUUGCCAUAUG	Plate 5	N11	859	86.56	254.18	0.638804641	-0.820480833	0.126408303	0	
RAB21	23011	CUACAGAGAUUCAAAUGGA	Plate 5	O11	1369	94.38	402.78	0.465780932	-1.276204045	0.000000416	0	
RAB21	23011	CAAGAGAGAUUCCAUGCAU	Plate 5	P11	536	186.19	306.18	1.441930726	0.354074324	9.81E-29	1	
RAB4B	53916	GCACUAUCCUCAACAAGAU	Plate 3	A19	23	406.29	50.86	11.42343257	3.342029097	1.57E-09	1	2
RAB4B	53916	AGAAUGAGCUGAUGUUCCU	Plate 3	B19	965	22.57	254.25	0.281910711	-1.998585023	0.78721983	0	
RAB4B	53916	GGUGAUUGGCAGUGCAGGA	Plate 3	C19	839	#DIV/0!	#DIV/0!	0.902918423	-0.319227667	1.13E-15	0	
RAB4B	53916	UCAGUGACGCGGAGUUAUU	Plate 3	D19	626	316.91	229.59	1.899158983	0.75346546	6.91E-113	1	
RAD17	5884	GAAUCAAGCUUCCAUAUGU	Plate 2	E9	1314	260.74	190.27	1.784737933	0.567240039	1.67E-187	1	4
RAD17	5884	CAACAAAGCCCGAGGAUAU	Plate 2	F9	654	359.73	201.51	4.275003848	1.82745351	8.62E-118	1	
RAD17	5884	ACACAUGCCUGGAGACUUA	Plate 2	G9	811	486.65	203.34	4.020121201	1.738766789	1.34E-221	1	
RAD17	5884	CUACAUAGAUUUCUUCAUG	Plate 2	H9	1611	310.48	87.60	6.249100229	2.375176271	0	1	
RAD9A	5883	UCAGCAAACUUGAAUCUUA	Plate 3	E8	1599	324.31	91.30	6.431153235	2.513182243	0	1	4
RAD9A	5883	GACAUUGACUCUUACAUGA	Plate 3	F8	1548	307.08	81.12	6.524426076	2.533955778	0	1	
RAD9A	5883	GGAAACCACUAUAGGCAAU	Plate 3	G8	281	354.80	146.40	5.417816642	2.265816347	2.83E-58	1	
RAD9A	5883	CGACAUUGACUCUUACAUG	Plate 3	H8	1441	252.01	191.99	2.566800143	1.188075747	1.35E-112	1	
RAP1A	5906	GAUAGAAGAUUCCUACAGA	Plate 1	E12	1318	201.01	319.40	1.321118321	0.209875474	2.94E-38	1	2
RAP1A	5906	CAAUAAAUGUGACCUGGAA	Plate 1	F12	878	88.77	280.23	0.854239836	-0.419171125	8.21E-14	0	
RAP1A	5906	GAAGUCUGCUCUGACAGUU	Plate 1	G12	112	133.51	226.22	1.317478589	0.205895309	6.98E-21	1	
RAP1A	5906	GCGAGUAGUUGGCAAAGAG	Plate 1	H12	760	118.10	387.57	0.580033848	-0.97767521	0.000000634	0	
RAP1GAP	5909	CAAGGCGGCUGGAAUAUCA	Plate 4	E21	851	195.41	214.31	1.446854431	0.324634411	1.95E-52	1	3
RAP1GAP	5909	CAGAGGCGCUCAAGGACUU	Plate 4	F21	319	524.58	173.27	7.873965501	2.768805024	5.25E-88	1	
RAP1GAP	5909	CAACCAAGGUGAAGCUCGA	Plate 4	G21	939	118.51	253.94	0.890507914	-0.37558503	7.52E-19	0	
RAP1GAP	5909	GACCGAAUCUGUGUACUGC	Plate 4	H21	1320	231.97	385.89	1.209052291	0.065591274	0.00000101	1	
RAP2C	57826	CAACUUGUGUCGUCCAGUA	Plate 2	E16	123	321.14	187.74	2.57367238	1.095356206	3.41E-30	1	2
RAP2C	57826	GAAGAUUUCUACCGCAAAG	Plate 2	F16	879	86.29	237.27	0.683724482	-0.81698522	4.86E-27	0	
RAP2C	57826	GCAAAUCUGCCCUUACUGU	Plate 2	G16	1698	300.32	266.39	1.940207372	0.687738649	7.83E-92	1	
RAP2C	57826	GAGAUCAAAUUGUCAGAGU	Plate 2	H16	973	78.41	318.38	0.478655794	-1.331411731	1.77E-08	0	
RASSF10	644943	GCGCAAGGCCUUUCGCAAA	Plate 4	I11	1162	95.75	126.91	1.206091518	0.062054015	6.38E-100	1	2
RASSF10	644943	GCUCCGACGUUGUGCGAGU	Plate 4	J11	1304	51.32	219.12	0.424878469	-1.443163228	0.003211844	0	
RASSF10	644943	CCAUGGAUCCUUCGGAAAA	Plate 4	K11	1353	104.80	272.33	0.690608184	-0.742346031	0.002576673	0	
RASSF10	644943	AGCAAGAGAAUGUGCGCUU	Plate 4	L11	1600	153.47	153.84	1.915565794	0.729485212	5.69E-142	1	

RASSF7	8045	UGCCAGCGAUGUCCAGUUU	Plate 3	E7	74	243.50	177.52	2.496083694	1.147771087	2.62E-14	1	2
RASSF7	8045	GAACGCUGCCUAAUUCGUG	Plate 3	F7	1467	75.90	211.91	0.560038287	-1.008297857	0.0000194	0	
RASSF7	8045	CGCACUAGCCCAAGCAAUA	Plate 3	G7	723	28.78	315.34	0.297324463	-1.921785148	0.008056327	0	
RASSF7	8045	CAGCAGAGCGAGCCUUGCA	Plate 3	H7	475	247.43	161.02	4.512667408	2.002085231	5.58E-40	1	
RBM10	8241	GCAUGGAUCUCCCGAAAUU	Plate 2	M22	114	104.87	155.59	1.149156404	-0.067897041	9.12E-18	0	2
RBM10	8241	GGACAUGGCCUCCAAUGAA	Plate 2	N22	1267	130.66	224.47	1.194975575	-0.011491079	2.79E-28	0	
RBM10	8241	AGACCGGCCUCUACUAUGA	Plate 2	O22	221	183.81	92.67	3.332752945	1.468242167	9.22E-58	1	
RBM10	8241	AGAAUGACAUGGAGCAAAU	Plate 2	P22	506	166.41	140.07	1.724448797	0.517663084	2.27E-77	1	
RBX1	9978	GAAGCGCUUUGAAGUGAAA	Plate 5	E5	567	275.73	208.72	2.499791176	1.14788005	1.5E-101	1	4
RBX1	9978	GCAUAGAAUGUCAAGCUAA	Plate 5	F5	509	292.07	239.18	3.056730181	1.438061678	1.89E-117	1	
RBX1	9978	GCAAGAAGCGCUUUGAAGU	Plate 5	G5	1068	333.10	247.39	2.822241178	1.322913749	1.27E-140	1	
RBX1	9978	CAACAGAGAGUGGGAAUUC	Plate 5	H5	315	116.34	155.94	1.647685321	0.546513208	1.76E-42	1	
RCE1	9986	CAGAUGGGCUGAAGGUUGU	Plate 2	E19	1104	110.75	334.10	0.505445362	-1.252845158	0.115308762	0	1
RCE1	9986	UUAUUGAGCAGCUGCGUUU	Plate 2	F19	396	195.13	192.88	1.897594595	0.655699597	2.69E-70	1	
RCE1	9986	AUGCAGCUCUCUAUGGAUU	Plate 2	G19	847	82.34	344.36	0.561205895	-1.10187014	0.000458884	0	
RCE1	9986	GACCUAUGCUCCUGGAUAC	Plate 2	H19	1306	110.85	453.19	0.438869976	-1.456606728	3.16E-45	0	
RFC1	5981	GAAGAUGACUUUAUGUGUA	Plate 4	I18	1290	220.05	280.63	1.329400204	0.202490113	1.84E-34	1	2
RFC1	5981	GUAAAUAGCUCCCGUAAAG	Plate 4	J18	1167	76.23	256.49	0.521453514	-1.147674817	9.92E-09	0	
RFC1	5981	GGAAUUAAUUGGCCUGAUA	Plate 4	K18	922	74.81	187.27	0.703208799	-0.716260341	6.85E-44	0	
RFC1	5981	GGACACAUAUUAUUUGAUG	Plate 4	L18	1678	222.96	270.70	1.299829351	0.170036862	4.93E-42	1	
RFC3	5983	GAAAUUAGCACCAUUGCAA	Plate 1	A16	794	248.53	357.93	1.188845296	0.057676783	1.02E-65	1	3
RFC3	5983	CAUCACAACUCCAUCUAAA	Plate 1	B16	1077	229.45	202.10	2.238742563	0.970804432	3.98E-84	1	
RFC3	5983	CACAACAACUUGAAACAAA	Plate 1	C16	219	429.23	236.00	3.661575583	1.680580369	1.3E-47	1	
RFC3	5983	CAAAUGCUAUUGUCAGUCA	Plate 1	D16	607	102.76	243.41	0.586969112	-0.960527715	3.4E-43	0	
RFC4	5984	GGGAAUAGCUUAUCUUGUU	Plate 5	A6	717	330.13	306.39	1.870765217	0.729700978	6.12E-37	1	3
RFC4	5984	CAACUCAGCUCGUCAAUCA	Plate 5	B6	605	111.33	201.70	1.453024718	0.365131714	5.39E-49	1	
RFC4	5984	GACCAAGGAUCGAGGAGUA	Plate 5	C6	408	99.39	231.56	1.671822402	0.567494066	1.51E-39	1	
RFC4	5984	UCAAAGCGCUACUCGAUUA	Plate 5	D6	1199	160.35	331.75	0.738251034	-0.611744154	0.000000407	0	
RIMBP2	23504	UAAAGACGCUGAUGGAUUC	Plate 5	I10	1117	89.10	383.04	0.405626925	-1.475702207	0.140038728	0	0
RIMBP2	23504	GCUCUGCGAUCGGUGAAUA	Plate 5	J10	1190	192.84	361.78	0.725619815	-0.636641774	3.2E-18	0	
RIMBP2	23504	GGCCAGAUCAUCAAGGUUU	Plate 5	K10	569	90.26	673.36	0.340285215	-1.729111155	1.96E-19	0	
RIMBP2	23504	CAAUGUAGCCUUCACGUAA	Plate 5	L10	1520	129.30	267.97	1.022019494	-0.142504818	2.07E-21	0	
RNASEH2C	84153	GGACUUCGACCGCUUCAUU	Plate 3	E11	1212	207.63	418.19	0.946709471	-0.250901562	9.55E-26	0	2
RNASEH2C	84153	GAUACGUGAUGGUGACAGA	Plate 3	F11	1154	101.46	356.05	0.460101564	-1.291870956	2.49E-17	0	
RNASEH2C	84153	CAAAGUGCGUGGGGCCUUA	Plate 3	G11	157	110.02	180.61	1.13902953	0.015909928	3.16E-32	1	
RNASEH2C	84153	CGGCAGCGAUUCACGCACA	Plate 3	H11	193	188.94	23.85	8.749229061	2.957260678	7.58E-83	1	
RNASEH2C	84153	GGACUUCGACCGCUUCAUU	Plate 6	M6	1050	231.02	510.59	1.070366676	-0.117319724	4.2E-17	0	0
RNASEH2C	84153	GAUACGUGAUGGUGACAGA	Plate 6	N6	1178	149.54	353.00	0.930671011	-0.319081656	0.349317626	0	
RNASEH2C	84153	CAAAGUGCGUGGGGCCUUA	Plate 6	O6	192	62.21	215.54	1.029480601	-0.173508185	2.74E-29	0	
RNASEH2C	84153	CGGCAGCGAUUCACGCACA	Plate 6	P6	552	228.42	31.07	12.18873218	3.392051335	1.96E-215	1	
RNF111	54778	GCAGAAUUGUGUUAAAGAA	Plate 5	E10	1370	69.56	241.59	0.478832678	-1.236334014	5.11E-12	0	2
RNF111	54778	GAGUUGAGAUGAUUAAUAG	Plate 5	F10	584	215.75	537.21	0.847918987	-0.411929196	0.307618137	0	
RNF111	54778	AGAAGGAAAAUGAAUGGUAA	Plate 5	G10	1078	214.58	313.75	1.3445529	0.253198985	6.05E-13	1	
RNF111	54778	AGAUUUAGAUGCACGACUA	Plate 5	H10	1156	223.61	144.85	3.651963398	1.694744774	1.67E-77	1	
RNF146	81847	GGACGUCGCAGGAAGAUUA	Plate 6	E5	718	58.06	344.82	0.433286617	-1.422031249	0.000749514	0	0
RNF146	81847	AGAAGAAGAUCAUGAAUCA	Plate 6	F5	948	45.24	592.78	0.153642559	-2.917775023	5.95E-133	0	
RNF146	81847	GGAUGUAUCUGCAGUUGUU	Plate 6	G5	21	168.57	173.11	2.170290167	0.902463113	0.0000126	1	
RNF146	81847	UAAACAUGCUUCCUACAAA	Plate 6	H5	722	102.50	384.11	0.610125124	-0.928247787	0.417118599	0	
RNF186	54546	GACAACACCUGGUCCAUCA	Plate 6	I5	719	302.41	381.05	1.532212337	0.400191412	1.53E-09	1	2
RNF186	54546	GCACCAAGACCCUGCAACA	Plate 6	J5	453	268.40	266.46	2.812611009	1.276485207	2.39E-36	1	
RNF186	54546	GGAUGGACAGGAUGAAGUA	Plate 6	K5	715	87.35	300.22	0.761681306	-0.608165437	7.03E-13	0	
RNF186	54546	CAUCUACCCGGGUGUCUUA	Plate 6	L5	1169	294.68	267.29	2.338856828	1.01037872	1.43E-66	1	
RNF19B	127544	GAUGGAAGCUGUAAUCACA	Plate 6	M4	1213	58.70	318.97	0.362476355	-1.679466038	0.037304397	0	0
RNF19B	127544	GACAGAGAAUGCAACAAUA	Plate 6	N4	1149	158.85	444.67	0.919184635	-0.336998243	0.041533476	0	
RNF19B	127544	GAAAAGGAGUGAAAAUUGA	Plate 6	O4	1440	88.45	322.82	0.509624379	-1.187918632	0.000622382	0	
RNF19B	127544	GGACUGCGGUUAUGCUGUU	Plate 6	P4	494	514.40	303.21	6.933277908	2.578112759	7.87E-70	1	
RNF208	727800	GGACAUGCCUGCCUUGGAA	Plate 5	I19	754	342.31	267.06	3.021550403	1.421361476	2.3E-48	1	4
RNF208	727800	UGAAAAGUUCCCUGAGCUA	Plate 5	J19	1142	303.34	168.51	3.809237615	1.755574752	1.24E-184	1	
RNF208	727800	CAGAGAUCAUUGUCAACCA	Plate 5	K19	438	146.54	152.91	2.788586493	1.305606488	2.29E-67	1	
RNF208	727800	AUUGUGAAUCAGUACGUGA	Plate 5	L19	1520	123.60	191.41	1.708957942	0.599189361	9.19E-77	1	
RNF26	79102	CGUAGUGGCUGCCUUCCUA	Plate 5	M21	753	360.63	113.56	11.12572225	3.301899558	6.51E-129	1	2
RNF26	79102	GCCGAGAGAGGCUCAAUGA	Plate 5	N21	1441	67.11	395.67	0.362217724	-1.638998484	2.72E-21	0	
RNF26	79102	GCAGAUCAGAGGCAGAAGA	Plate 5	O21	1167	164.49	180.01	2.188009288	0.95569133	1.5E-62	1	
RNF26	79102	GAGAGGAUGUCAUGCGGCU	Plate 5	P21	904	130.05	238.54	1.107461494	-0.026670994	6.73E-12	0	
RNF31	55072	GCAGAAUACUCAUCCAAGA	Plate 6	I3	1195	128.62	245.84	1.034272146	-0.166808981	4E-12	0	2
RNF31	55072	GCGAUUAUAUGGCUACACA	Plate 6	J3	847	166.19	343.74	1.419958412	0.290423846	0.0000233	1	
RNF31	55072	GGCGUGGUGUCAAGUUUAA	Plate 6	K3	1395	163.92	301.98	1.214354628	0.064764962	0.112881782	0	
RNF31	55072	GUUAUGUGCAACCGGACUA	Plate 6	L3	949	360.51	201.75	3.729834782	1.683686895	1.95E-172	1	
RNF39	80352	AGGAAGACAUGGAGACGAU	Plate 5	E17	387	115.20	240.05	1.402914598	0.314499656	1.59E-33	1	2
RNF39	80352	CCGCAUUGUACCAGCGGAA	Plate 5	F17	968	105.66	251.46	1.307666028	0.213066598	4.79E-29	1	
RNF39	80352	GAGGAUAUGAGGAAGACAU	Plate 5	G17	41	93.88	283.13	0.834480068	-0.434978037	0.078485404	0	
RNF39	80352	AAGAUUAUCCAGUGGUCAA	Plate 5	H17	1535	112.94	216.12	0.870418197	-0.374146909	3.65E-42	0	
RNFT1	51136	CAGAUAAACUCCAUACCUA	Plate 5	A22	981	95.13	289.08	0.687592353	-0.714302127	0.008598664	0	2
RNFT1	51136	GAAUUGGGCUGCUAACAAC	Plate 5	B22	652	227.12	132.30	4.301648412	1.930962082	3.55E-127	1	
RNFT1	51136	CAGCAUAUAACAGGAAUUU	Plate 5	C22	817	88.47	169.00	1.323878373	0.230843053	1.07E-24	1	
RNFT1	51136	GCAAGCUCCAGAAAUAUAA	Plate 5	D22	130	120.67	354.45	0.836045147	-0.432274776	0.000002	0	
ROMO1	140823	GGGAAAACCAUGAUGCAGA	Plate 3	A15	636	111.12	290.61	0.700181728	-0.686093904	0.00000387	0	0
ROMO1	140823	GCACAUUCAUGGCCAUUGG	Plate 3	B15	450	84.59	346.82	0.467719741	-1.268178993	0.884692031	0	
ROMO1	140823	CUGCUUCGACCGUGUCAAA	Plate 3	C15	725	112.80	348.24	0.781282929	-0.527978224	0.02366396	0	
ROMO1	140823	CAGCCCAUGUACUAAUAAA	Plate 3	D15	914	145.87	245.10	0.902739576	-0.319513461	2.24E-15	0	
RPA1	6117	GAAGUCAGCUGAAGCAGUU	Plate 1	A3	31	224.72	47.80	4.91611514	2.105634498	1.54E-12	1	4
RPA1	6117	GCAAUCCAGUGCCCUAUAA	Plate 1	B3	18	848.30	255.73	5.226375887	2.193926681	0.00000128	1	
RPA1	6117	GAAGUGCGACACCGAAUUU	Plate 1	C3	62	721.30	71.49	17.49723779	3.937171076	2.29E-35	1	
RPA1	6117	CCCUAGAACUGGUUGACGA	Plate 1	D3	121	726.06	55.38	17.17923209	3.910709437	5.88E-65	1	
RPA2	6118	GAUCAAUGCACACAUGGUA	Plate 1	M3	800	456.34	124.77	5.667565516	2.310844956	3.45E-283	1	4
RPA2	6118	CAAAAUAGAUGACAUGACA	Plate 1	N3	521	458.99	35.62	15.79868132	3.789848033	2.87E-245	1	
RPA2	6118	GAGUGAAGCAGGGAACUUU	Plate 1	O3	235	737.33	97.11	11.65755035	3.351308549	4.4E-113	1	
RPA2	6118	GUGGAACAGUGGAUUCGAA	Plate 1	P3	613	464.73	174.39	7.314295808	2.678834767	3.38E-175	1	
RSBN1L	222194	GCAGUUAGAUUUACAUGAA	Plate 4	E11	477	67.72	268.06	0.504685744	-1.194828126	1.27E-08	0	1
RSBN1L	222194	GGAUUCAGCUAUAUGAUAA	Plate 4	F11	1362	111.36	352.58	0.467941788	-1.303884391	6.56E-30	0	
RSBN1L	222194	GAACGUAUUCUCAUGGUAC	Plate 4	G11	1496	88.19	295.83	0.524755001	-1.138569451	0.000000847	0	
RSBN1L	222194	GAUAUAGAGACAACGACUA	Plate 4	H11	807	380.54	170.27	4.879463964	2.078437301	3.67E-117	1	
RSPH3	83861	AGAAAUUGCUGAUCGCAUA	Plate 1	E18	1482	160.89	274.32	1.022722062	-0.15947008	4.01E-46	0	1
RSPH3	83861	CCAGUCAGCGUGAGUAUGA	Plate 1	F18	547	222.96	253.97	1.582457583	0.470282623	4.22E-57	1	
RSPH3	83861	GAGCAUUUGCACAGCGUUA	Plate 1	G18	1247	70.88	212.42	0.55172533	-1.049862085	2.74E-48	0	
RSPH3	83861	GUAAUUCGAGGUAACACUU	Plate 1	H18	936	38.47	584.72	0.13480762	-3.082910251	8.39E-57	0	
RSPRY1	89970	CAGCUGAUUUGGUACAAUG	Plate 4	E5	874	73.79	216.51	0.776990224	-0.572317016	0.0000444	0	1
RSPRY1	89970	GGUCACUUCUGGCGUCAUG	Plate 4	F5	1524	72.11	248.26	0.517910762	-1.157509926	0.004482286	0	
RSPRY1	89970	GUAAUACGGACUCUUGUAG	Plate 4	G5	1365	262.29	288.92	1.804130144	0.643018046	2.41E-57	1	
RSPRY1	89970	CAAGUCAGUAUCCGAGAAA	Plate 4	H5	622	42.70	135.45	0.743790995	-0.63531618	1.72E-11	0	
RSU1	6251	UCGCAGAACUGAAGAAUUU	Plate 6	A7	909	103.80	524.54	0.449727692	-1.368301204	1.27E-42	0	0
RSU1	6251	GGAUUUAACUGGCCAGAAG	Plate 6	B7	225	328.66	456.98	2.19362892	0.917894666	2.83E-18	1	
RSU1	6251	GUAUAUCCGUUCUGAGACA	Plate 6	C7	677	63.15	102.74	1.235945135	0.090189871	9.47E-62	1	
RSU1	6251	UACAACAACUUGAGCGAAA	Plate 6	D7	1458	72.92	246.09	0.534891958	-1.118105412	0.00000368	0	
RXRB	6257	GCAAAGACCUUACAUACUC	Plate 1	A14	957	179.36	487.03	0.578213036	-0.982211167	0.001792471	0	1
RXRB	6257	GCAAUCAUUCUGUUUAAUC	Plate 1	B14	1612	152.49	241.68	1.246003404	0.125423802	8.64E-58	1	
RXRB	6257	UCACACCGAUCCAUUGAUG	Plate 1	C14	1034	112.23	287.97	0.561461791	-1.024624455	5.81E-21	0	
RXRB	6257	GCAAACGGCUAUGUGCAAU	Plate 1	D14	1041	65.73	331.68	0.322249287	-1.825635135	0.000000132	0	
SCYL2	55681	GAGCAUCACUUACACUUGA	Plate 6	E6	1671	69.02	542.61	0.352344186	-1.720367519	2.3E-30	0	0
SCYL2	55681	GGACACAGAUGAACGUGAU	Plate 6	F6	1742	126.94	252.01	0.881215629	-0.397857843	5.45E-18	0	
SCYL2	55681	GCAGGGUAAUCCUUUCUUU	Plate 6	G6	1152	117.04	255.46	0.893621419	-0.377689159	4.53E-08	0	
SCYL2	55681	GGAGCAACUUCAUAUAAUG	Plate 6	H6	1533	116.45	290.11	0.749377275	-0.631660697	0.00000305	0	
SEC11B	157708	GAAUGACUAUCCUAAACAU	Plate 1	M6	544	207.55	208.82	2.133594933	0.901402097	4.97E-96	1	2

SEC11B	157708	CGAUACCGAUGUCCUGUCA	Plate 1	N6	307	681.72	172.15	6.168269854	2.432981676	3.8E-111	1	
SEC11B	157708	GAUGAUGUGCAGUGGAUGA	Plate 1	O6	852	86.68	297.04	0.641233247	-0.832963072	0.000029	0	
SEC11B	157708	AAUCGCUGUUCUAAGGAUA	Plate 1	P6	675	93.25	199.13	0.810605911	-0.494811606	0.000000912	0	
SELENBP1	8991	GCACUGAGGCCCCAGAUUA	Plate 2	M14	731	98.80	235.14	0.672168625	-0.841577101	2.16E-20	0	1
SELENBP1	8991	GGGAGCCACUUAUAUGUAU	Plate 2	N14	1358	104.00	393.33	0.513933358	-1.228819006	0.378777337	0	
SELENBP1	8991	GUACCAGCCUCGACACAAU	Plate 2	O14	311	25.31	87.64	0.574309169	-1.068572709	2.8E-24	0	
SELENBP1	8991	CCAAGAAAUAAACUCGUAA	Plate 2	P14	1165	234.92	277.51	2.170529886	0.849575078	8.25E-14	1	
SENP1	29843	GGAAAGAGUUUGACACCAA	Plate 4	E22	859	38.80	190.46	0.48791498	-1.243583684	0.054966869	0	3
SENP1	29843	GCAAAUAUGCUGACUGUAU	Plate 4	F22	1850	229.52	288.15	1.505057246	0.381532995	1.64E-58	1	
SENP1	29843	GAUCAUCAAUUUCUACAUG	Plate 4	G22	1651	191.79	295.46	1.338630381	0.212472295	2.4E-15	1	
SENP1	29843	GCAUUUCGCCUGACCAUUA	Plate 4	H22	387	178.24	259.84	3.280041023	1.505428491	2.59E-13	1	
SERPINA11	256394	GGAGGCAGAUUAAUGACUA	Plate 4	A9	1244	51.31	510.27	0.187094141	-2.626449082	4.31E-153	0	0
SERPINA11	256394	CAUAUAACCUGGAAGACAU	Plate 4	B9	418	119.37	378.74	0.668470986	-0.789348519	0.106341295	0	
SERPINA11	256394	CCAACAUACUCAACUUAGA	Plate 4	C9	1425	84.85	199.31	0.734908996	-0.65264785	1.67E-24	0	
SERPINA11	256394	CGGCAGCACUAUUUGGACA	Plate 4	D9	896	125.61	292.98	0.944538708	-0.290603541	0.01443726	0	
SERPINA6	866	CAUCAAAGGUGGUCCAUAA	Plate 3	M14	298	53.83	493.61	0.280599519	-2.00531078	1.86E-09	0	1
SERPINA6	866	GCAAAUUUCUCACGCAUCA	Plate 3	N14	581	170.60	89.78	2.783789483	1.305154893	1.39E-83	1	
SERPINA6	866	ACAGCUAUGUCAAGAAUAA	Plate 3	O14	174	46.53	185.50	0.498745109	-1.175520625	0.169141721	0	
SERPINA6	866	AGUCAGAGGUCUUGGCUAU	Plate 3	P14	297	51.49	199.45	0.797027906	-0.49919308	0.000000431	0	
SERPIND1	3053	GAGAAGUGCUUCUGCCGAA	Plate 4	E20	712	76.27	323.86	0.429184896	-1.428614156	0.048573324	0	0
SERPIND1	3053	CGAAAUUCAAGCUGGAGAA	Plate 4	F20	883	205.04	417.68	0.768703596	-0.587786045	0.001990564	0	
SERPIND1	3053	GCAAAGGCCCGCUGGAUCA	Plate 4	G20	790	40.30	199.99	0.2910609	-1.988892414	0.0000023	0	
SERPIND1	3053	GAACAAGUGCACUCGAUUU	Plate 4	H20	1214	203.69	299.47	1.094247539	-0.078346228	1.94E-40	0	
SETD7	80854	GGAGUGUGCUGGAUAUAUU	Plate 1	E21	922	29.25	264.95	0.323753343	-1.818917212	0.237196187	0	2
SETD7	80854	CAAACUGCAUCUACGAUAU	Plate 1	F21	1170	238.05	337.50	1.355955624	0.247425757	1.16E-62	1	
SETD7	80854	CCUGGACGAUGACGGAUUA	Plate 1	G21	1061	50.39	460.89	0.187949592	-2.603466521	0.000000027	0	
SETD7	80854	GCAACGACUUUCUCGCAUA	Plate 1	H21	1522	116.38	173.07	1.319466037	0.208070009	1.74E-126	1	
SETDB1	9869	GAACAUGACUGGUCCAAUG	Plate 3	I4	381	99.40	191.68	1.942816331	0.786254297	6.98E-68	1	2
SETDB1	9869	GCAAGGAGCUACUCUGUUG	Plate 3	J4	600	81.27	309.04	0.892802957	-0.335481511	0.0000018	0	
SETDB1	9869	AAGAUGGGCUUUCAUGUUA	Plate 3	K4	950	46.95	336.39	0.287965455	-1.967927562	9.81E-17	0	
SETDB1	9869	CAAAGAUGGUGACCUGAUA	Plate 3	L4	398	248.70	247.36	3.409807659	1.59779514	1.78E-47	1	
SEZ6	124925	GCAACAACCUCACCUGUCA	Plate 4	I13	13	697.04	57.96	16.18998667	3.808744525	0.0000287	1	3
SEZ6	124925	GGUAGGAGGUGUAUACUUC	Plate 4	J13	1111	94.42	181.01	1.283270365	0.151539788	1.6E-32	1	
SEZ6	124925	GUGCUUACCUUCUAUGAUG	Plate 4	K13	1287	117.05	367.87	0.492731822	-1.229410816	0.502547327	0	
SEZ6	124925	UGGAAGAGGACAAGCGCAU	Plate 4	L13	451	141.83	123.57	1.761051772	0.608151955	1.58E-96	1	
SFRS17A	8227	GUUCAGAGCUCCUGUCGUG	Plate 5	A9	1158	148.39	247.17	1.43435127	0.346470849	0.0000186	1	2
SFRS17A	8227	GCUUACGGCUUGUACCUGA	Plate 5	B9	1138	178.20	192.72	1.672747838	0.568292448	1.41E-96	1	
SFRS17A	8227	GCAAGAAGCCGGACGACAG	Plate 5	C9	28	31.73	38.94	0.831838952	-0.439551384	2.39E-08	0	
SFRS17A	8227	CGACCAAACACCUGAGUGA	Plate 5	D9	776	65.46	398.89	0.346623449	-1.702486372	0.03833025	0	
SFTPD	6441	GAGAGUCCCUGGUCUAUUC	Plate 5	E12	1029	173.79	314.90	1.184749916	0.070655027	0.834952661	0	1
SFTPD	6441	CAAUGGCUCUGUUGGAGAA	Plate 5	F12	706	118.25	455.03	0.472616947	-1.255184263	0.006270811	0	
SFTPD	6441	CAACGAUGAUGGCGGGUCA	Plate 5	G12	1044	35.85	366.60	0.239872305	-2.23358903	2.78E-12	0	
SFTPD	6441	GGCCUUACAGGGACAAGUA	Plate 5	H12	154	185.00	56.87	4.429472895	1.973207497	2.71E-44	1	
SFXN2	118980	GCGCAUGUCUUUCCAGCUU	Plate 5	A3	2	#DIV/0!	#DIV/0!	1.105473046	-0.029263682	0.216819127	0	1
SFXN2	118980	GCGGCUAACUGUGUCAAUA	Plate 5	B3	944	90.22	234.83	0.841274831	-0.423278444	0.000053	0	
SFXN2	118980	GUAGUUAUUUCUCGGAUCA	Plate 5	C3	1010	39.17	296.39	0.246063899	-2.196822616	1.71E-15	0	
SFXN2	118980	AUGGAGAACUUGAGCCUUA	Plate 5	D3	697	142.69	137.93	2.057763161	0.867149412	3.38E-70	1	
SHMT1	6470	GAGCUGGCAUGAUCUUCUA	Plate 1	I5	1462	248.61	107.27	4.594450579	2.008008142	1.71E-274	1	1
SHMT1	6470	GGAGAACGCACGCCUCUUC	Plate 1	J5	878	92.53	261.77	0.825663203	-0.468258891	4.51E-31	0	
SHMT1	6470	CCUAGGCUCUUGCUUAAAU	Plate 1	K5	860	168.63	395.11	1.013611549	-0.17237934	3.36E-14	0	
SHMT1	6470	UACGGAAGAUUGCAGAUGA	Plate 1	L5	999	84.46	540.82	0.297108458	-1.942822624	1E-29	0	
SIRT2	22933	GAGAUCAGCUAUUUCAAGA	Plate 1	I12	1560	147.08	283.24	0.888027151	-0.363208514	1.1E-18	0	2
SIRT2	22933	UAGAUACCCUGGAGCGAAU	Plate 1	J12	995	39.86	391.99	0.187991064	-2.603148214	2.7E-16	0	
SIRT2	22933	GGAGAAAGCUGGCCAGUCG	Plate 1	K12	393	308.31	217.47	1.915017379	0.745473278	1.71E-51	1	
SIRT2	22933	CGGCACGAAUACCCGCUAA	Plate 1	L12	630	292.77	201.48	2.71998496	1.251714467	2.1E-102	1	
SKA1	220134	GGACUUACUCGUUAUGUUA	Plate 2	E17	1535	163.93	184.13	1.459872229	0.277369899	1.93E-94	1	4
SKA1	220134	UCAAUGGUGUUCCUUCGUA	Plate 2	F17	1284	120.54	121.19	1.551473557	0.365166899	1.56E-130	1	
SKA1	220134	UAUAGUGGAAGCUGACAUA	Plate 2	G17	1083	198.26	211.11	1.612695695	0.421002028	1.19E-70	1	
SKA1	220134	CCGCUUAACCUAUAAUCAA	Plate 2	H17	856	224.34	239.14	1.867815654	0.632879865	7.97E-52	1	
SLC17A1	6568	CAAAGAAGCUCCUGGAUAA	Plate 4	I5	825	145.60	306.46	0.838876193	-0.461755559	0.037160021	0	1
SLC17A1	6568	GAACGAGGCCGACUUACUU	Plate 4	J5	820	143.27	159.97	1.145189863	-0.012698562	6.51E-46	0	
SLC17A1	6568	GCACUGUUGUAAUGUUAUA	Plate 4	K5	1308	76.57	213.40	0.713029977	-0.696250731	0.530531719	0	
SLC17A1	6568	CGUAAUUGCUGUCCGGAAA	Plate 4	L5	1535	152.31	181.07	1.624753082	0.491935117	6.81E-54	1	
SLC30A8	169026	GAACGUAUCUUGUGAAUGA	Plate 4	I17	836	136.00	188.66	1.496652267	0.373453696	4.49E-29	1	4
SLC30A8	169026	GGAGAGAAAUUGCUAAAGC	Plate 4	J17	1554	181.04	171.01	1.868972341	0.693959851	4.28E-137	1	
SLC30A8	169026	GGUGGUGACUGGCGUGCUA	Plate 4	K17	965	245.78	165.92	3.068510163	1.409252994	3.54E-39	1	
SLC30A8	169026	GGGUAUAAAAGGAAAGCGA	Plate 4	L17	1550	86.41	164.47	1.237417161	0.09904658	5.94E-31	1	
SLC35B4	84912	GAAGGAAGCCACCAGCUAU	Plate 4	E16	7	#DIV/0!	#DIV/0!	1.951038676	0.75595701	0.011722525	0	1
SLC35B4	84912	GUAACGUGAUCUUCCUAGA	Plate 4	F16	1484	159.92	114.93	2.801977773	1.278160144	4.93E-134	1	
SLC35B4	84912	GAACAUCAUCACUCAGUAC	Plate 4	G16	235	148.22	304.20	0.906229857	-0.35033644	4.36E-11	0	
SLC35B4	84912	GGAGUGACCCUGCCCAUCA	Plate 4	H16	908	120.12	294.38	0.638537304	-0.855442555	5.57E-25	0	
SLC35E2	9906	GGUUAUCGGGUGUGUGAAA	Plate 5	A8	1116	462.28	163.40	6.840646216	2.600205087	1.23E-163	1	2
SLC35E2	9906	GCUCCGAAGAGAAGCCGAA	Plate 5	B8	313	82.10	455.09	0.366803938	-1.620846501	0.869420659	0	
SLC35E2	9906	CCAACUUCCUUAUGACGAU	Plate 5	C8	534	274.72	227.03	3.161274486	1.486578774	5.55E-73	1	
SLC35E2	9906	CGGCACAGAUGAGAACGUA	Plate 5	D8	1380	102.79	244.71	0.743216144	-0.602073786	0.7116879	0	
SLC35G5	83650	GGAUGUGCCUACAGUGCAG	Plate 2	E21	349	159.11	169.56	2.768231761	1.200492524	1.33E-54	1	4
SLC35G5	83650	CCAUGAGACUGUGGCACUU	Plate 2	F21	478	184.42	112.20	2.534069761	1.072984033	9.88E-130	1	
SLC35G5	83650	UCGUAUGGCUUACCAGGGU	Plate 2	G21	716	349.82	375.29	1.432578378	0.250141863	6.39E-28	1	
SLC35G5	83650	AAAGGUUCUUCCACCGUAU	Plate 2	H21	613	112.66	121.22	2.152382194	0.837462068	6.59E-79	1	
SLC3A2	6520	AGAAUGGUCUGGUGAAGAU	Plate 1	A22	96	173.38	217.35	1.501258821	0.394288516	7.25E-16	1	1
SLC3A2	6520	GAAGAAUGGUCUGGUGAAG	Plate 1	B22	377	129.55	281.96	0.701769921	-0.702814188	1.22E-26	0	
SLC3A2	6520	UCACGGGCCUGUCCAAGGA	Plate 1	C22	432	91.21	194.66	0.768196719	-0.572336499	7.33E-39	0	
SLC3A2	6520	GAGCAUCCGUGUCAUUCUG	Plate 1	D22	1196	173.17	234.26	1.138540723	-0.004698313	2.44E-95	0	
SLC4A11	83959	GAAAGUACCUGAAGUUAAA	Plate 4	M6	865	254.96	218.94	2.048683096	0.826411468	1.95E-69	1	1
SLC4A11	83959	GGACUUCACUGAUGGCAUU	Plate 4	N6	917	23.51	138.99	0.360719267	-1.679336981	0.010696989	0	
SLC4A11	83959	AAACAAGGCUGUGGGCAAA	Plate 4	O6	161	71.01	226.17	0.713356914	-0.695589381	0.00000218	0	
SLC4A11	83959	CGAGAGAUCCUGUCCGACU	Plate 4	P6	809	63.19	236.82	0.72299016	-0.676237451	0.004142716	0	
SLURP1	57152	GCAGGACCAUUACCCGCUG	Plate 1	I11	505	222.42	125.06	3.050244875	1.41704086	6.64E-112	1	3
SLURP1	57152	GAGCAUGGGCUGUGGUGAG	Plate 1	J11	576	255.36	226.10	1.579124805	0.467240991	1.57E-63	1	
SLURP1	57152	GAUCUUCUGCUGCUUCCGA	Plate 1	K11	1172	76.51	217.39	0.849387535	-0.427389365	7.11E-23	0	
SLURP1	57152	GACACAGCCUGCAUGACCA	Plate 1	L11	894	341.55	139.60	4.678647198	2.034207237	9.6E-166	1	
SNTB2	6645	GAAGAUGUCUGCUGAUGAU	Plate 1	I17	256	201.40	212.96	1.530041476	0.421686555	1.44E-37	1	2
SNTB2	6645	UCUCUAGGCUGCAUGUUAA	Plate 1	J17	1335	243.92	254.17	1.403472842	0.29711694	3.01E-110	1	
SNTB2	6645	GAGGUGAGGCUUACUAUUC	Plate 1	K17	638	58.41	224.02	0.510296361	-1.162476947	8.36E-19	0	
SNTB2	6645	CGAAGCCGAUUGUAUUUGU	Plate 1	L17	994	91.97	267.71	0.578540167	-0.981395175	9.1E-14	0	
SOX14	8403	AGACUGGCAUAGACCCUUA	Plate 4	A20	934	101.66	316.06	0.85785039	-0.429487401	0.138044803	0	0
SOX14	8403	GCUACGUGGUGCCCUGUAA	Plate 4	B20	8	28.69	109.47	0.890798133	-0.375114927	0.145291692	0	
SOX14	8403	GCAGAGAAGCGGCCAUACA	Plate 4	C20	838	43.86	448.35	0.206404835	-2.484736694	1.58E-63	0	
SOX14	8403	AAUGGAAGCUUCUGUCCGA	Plate 4	D20	1544	92.41	300.31	0.555810733	-1.05561977	0.092357198	0	
SPEN	23013	ACAGGGAGCGUGCUUAUGA	Plate 5	E16	78	166.96	183.99	3.141568357	1.47755744	1.57E-11	1	1
SPEN	23013	GAAGGCCAGAGCGGAAUUA	Plate 5	F16	567	36.63	245.03	0.993031402	-0.184016286	3.47E-09	0	
SPEN	23013	GACCUACGCACGGAUUAUA	Plate 5	G16	1096	39.04	354.62	0.219749528	-2.359995563	2.66E-59	0	
SPEN	23013	CAUCGAGCAUUUCAAACGA	Plate 5	H16	946	87.13	237.47	0.735100944	-0.617913253	4.01E-35	0	
SPINK8	646424	GAAAGAGGUCAGCUAGACA	Plate 4	I20	929	146.21	155.89	2.514464869	1.12196603	1.5E-96	1	4
SPINK8	646424	ACUAAUGGUUGGAUCAAAC	Plate 4	J20	1355	122.60	173.72	1.290951752	0.160149714	1.12E-63	1	
SPINK8	646424	ACUCUUGAACGUACGACAA	Plate 4	K20	884	155.15	190.12	2.334728234	1.01496926	3.79E-45	1	
SPINK8	646424	GGGCUUAACAUAACUAAAC	Plate 4	L20	1324	191.63	216.79	1.653286207	0.51705113	1.26E-104	1	
SPRR1A	6698	GCACCAGCCCAGCAGAAGA	Plate 2	E6	268	429.57	185.69	3.124096872	1.37496698	1.41E-64	1	2
SPRR1A	6698	CCUGAGCCCUGCCCUUCAA	Plate 2	F6	798	297.98	83.99	10.38604025	3.108101608	4.35E-172	1	
SPRR1A	6698	CCAAAGUGCCUGAGCCCUG	Plate 2	G6	750	32.93	386.08	0.203719587	-2.563815606	6.33E-10	0	
SPRR1A	6698	CAGCAGAAGCAGCCUUGCA	Plate 2	H6	1636	109.26	262.93	0.760236333	-0.663952328	8.48E-10	0	
SPTBN2	6712	GCAAAGACCGCAUUGUCAA	Plate 4	M15	957	91.49	165.15	0.94109858	-0.29586761	0.000109519	0	1
SPTBN2	6712	GAGAUGGACUAGCUUUCAA	Plate 4	N15	1135	56.79	433.63	0.280248053	-2.043509115	0.791187188	0	

SPTBN2	6712	CGAGACAAAUUCCGAGAGU	Plate 4	O15	844	144.14	229.98	0.938286782	-0.300184574	1.06E-13	0		
SPTBN2	6712	GGAGAAGCUUACUGCGCUA	Plate 4	P15	1491	131.26	123.86	3.014175117	1.383477869	8.98E-87	1		
SRMS	6725	UCACUGACCUCGCCAAGGA	Plate 5	A19	378	61.94	248.85	0.743851436	-0.600841116	0.003196892	0	1	
SRMS	6725	GCAGAAGGGACGGCUCUUU	Plate 5	B19	329	212.86	255.46	1.879137471	0.736143082	3.22E-15	1		
SRMS	6725	GCUCCAAGAUCCCGGUCAA	Plate 5	C19	837	61.01	411.87	0.384246059	-1.553825163	0.002517707	0		
SRMS	6725	GAUCAAGGUCAUCAAGUCA	Plate 5	D19	859	134.61	252.29	0.868116167	-0.377967517	1.23E-25	0		
SRSF1	6426	GAAAGAAGAUAUGACCUAU	Plate 1	A18	91	179.22	58.46	3.67888898	1.687385933	7.65E-24	1	4	
SRSF1	6426	UAACUUACCUCCAGACAUC	Plate 1	B18	606	358.25	122.42	6.24765747	2.451431152	6.26E-160	1		
SRSF1	6426	UGAAGCAGGUGAUGUAUGU	Plate 1	C18	154	212.05	90.92	5.822988788	2.349875634	3.73E-44	1		
SRSF1	6426	CGACGGCUAUGAUUACGAU	Plate 1	D18	569	67.47	76.59	1.477737757	0.371506061	5.5E-84	1		
SS18L2	51188	GGAACGAGUGCGUGCAGUA	Plate 2	A7	17	571.83	122.26	5.366338982	2.155465981	0.00000336	1	3	
SS18L2	51188	GGGCAAGGCGGAAGUCAAU	Plate 2	B7	826	36.83	437.45	0.17309121	-2.798867838	2.52E-60	0		
SS18L2	51188	GCUGUAUUGUGGAGUAUCA	Plate 2	C7	79	297.46	249.05	2.221788941	0.883249565	6.31E-19	1		
SS18L2	51188	GCAGAUGCCAGUCCAACCA	Plate 2	D7	14	175.31	48.10	2.105939745	0.80599195	0.0000202	1		
STK16	8576	GAGGUACGCUGUGGAAUGA	Plate 3	E3	1076	100.50	198.00	0.947124673	-0.250268972	0.164831266	0	2	
STK16	8576	CGACAUGCAUCGCCUCUUC	Plate 3	F3	754	89.00	184.52	1.200485179	0.09172237	2.26E-47	1		
STK16	8576	GGUACGCUGUGGAAUGAGA	Plate 3	G3	1572	96.66	245.35	0.71034808	-0.665297178	8.28E-10	0		
STK16	8576	UGAAGCGAAUCCUGUGUCA	Plate 3	H3	1281	474.49	336.26	1.994558823	0.82417445	2.94E-170	1		
STK36	27148	GGUAAUCAGUCUCGCAUCU	Plate 3	I13	456	165.15	144.74	1.946162507	0.78873696	4.88E-32	1	2	
STK36	27148	CUAGAACCAUCGUCUCGUU	Plate 3	J13	310	118.08	369.55	0.64503021	-0.804456585	0.001665131	0		
STK36	27148	GAUCUUAGCCUCAGAAUUG	Plate 3	K13	325	62.47	401.86	0.477246872	-1.239087576	0.001210022	0		
STK36	27148	GUGUACAAGGGUCGAAGAA	Plate 3	L13	306	106.78	207.92	1.443055634	0.357231699	1.72E-22	1		
SUMF1	285362	GAAGAAAGGUGGAUCCUAC	Plate 5	I15	1072	86.32	199.30	1.310761841	0.216478047	7.52E-23	1	1	
SUMF1	285362	GCGAGGAGAGUUACUAUUG	Plate 5	J15	958	23.83	433.75	0.08539984	-3.723550353	1.15E-98	0		
SUMF1	285362	GAUACUCGCGGGAGGCUAA	Plate 5	K15	736	59.52	348.76	0.32595427	-1.791186052	0.001485451	0		
SUMF1	285362	GGUCUUAUUGUUACAGGUA	Plate 5	L15	322	95.57	395.28	0.474791429	-1.248561736	0.026906158	0		
SUN5	140732	ACACGUCAGUCACCUAUAA	Plate 4	A18	31	453.52	281.41	4.517499043	1.967238928	0.000000269	1	3	
SUN5	140732	GUGAAGAUCUCAAGCAACU	Plate 4	B18	446	216.44	267.90	1.380034879	0.256419363	1.81E-46	1		
SUN5	140732	CAACAAUGACCAAGCCCUA	Plate 4	C18	545	26.87	393.46	0.189586726	-2.607355503	1.98E-25	0		
SUN5	140732	GAUGAUACACGGAGAUUAC	Plate 4	D18	779	161.42	297.68	1.361001948	0.236383764	2.46E-22	1		
SUOX	6821	GGAGACCUCUGACCCUUAU	Plate 5	E11	316	116.86	514.27	0.599551045	-0.911973038	0.077578969	0	1	
SUOX	6821	GGAGUCAACACACAUAUAC	Plate 5	F11	1004	167.70	296.08	1.011521427	-0.157400651	0.000105168	0		
SUOX	6821	GUGCAGUGUUGGCCUAUCA	Plate 5	G11	177	332.76	262.57	1.837893621	0.704125733	8.37E-35	1		
SUOX	6821	GGAUGAUGGUUACAAUGUG	Plate 5	H11	1079	63.07	145.63	0.964564434	-0.225978012	1.34E-78	0		
SVIL	6840	GGACUGAUGUCAAGGCAUA	Plate 2	A6	463	64.03	201.71	0.715404396	-0.75164132	3.5E-20	0	0	
SVIL	6840	GAACUUGGUUGUAGAGCUA	Plate 2	B6	877	148.29	535.89	0.432619501	-1.477301604	9.26E-10	0		
SVIL	6840	CCGAAAGAAUUGCAAGGUA	Plate 2	C6	1492	62.85	188.59	0.635258076	-0.923057492	7.08E-32	0		
SVIL	6840	GCCAUAAGGAAUCUAAAUA	Plate 2	D6	396	206.53	348.18	1.09374714	-0.139192965	1.63E-32	0		
SYCE1L	100130958	AGGCGGAGCUGGAGAUAUU	Plate 4	E7	900	59.04	299.98	0.581805734	-0.989675948	0.164602462	0	2	
SYCE1L	100130958	GAUUAAUGAUCUUCAGCAA	Plate 4	F7	1023	107.78	178.00	1.22592234	0.085582223	4.56E-85	1		
SYCE1L	100130958	GCUCAGAGGUUGGAUGUCA	Plate 4	G7	361	141.61	83.50	2.030281711	0.813394554	8.11E-52	1		
SYCE1L	100130958	GCCUGGAGCCACAGAUAGA	Plate 4	H7	1235	172.01	236.77	1.052708628	-0.134179189	0.0000196	0		
SYCP2	10388	GAGAAGAGCUCGUUAGUUU	Plate 4	M19	823	233.39	186.44	2.021278064	0.806982437	1.91E-62	1	2	
SYCP2	10388	GCGGAUAGGUCAAUUAGAU	Plate 4	N19	1439	132.01	252.36	0.775974011	-0.574205128	0.36334354	0		
SYCP2	10388	GAAGACUACCUUUGUUAAU	Plate 4	O19	1541	135.45	190.90	1.208789467	0.065277627	1.8E-55	1		
SYCP2	10388	CAGCCAAGCUCUAAAAUGA	Plate 4	P19	1277	112.91	382.85	0.479395305	-1.268997683	5.95E-08	0		
SYDE1	85360	CCACAGAACUUGGCCGUGU	Plate 5	E14	252	101.15	161.62	1.129886193	0.002249934	8.27E-32	1	2	
SYDE1	85360	GAAGUGCGUUGGGCAGAUC	Plate 5	F14	1378	69.16	347.38	0.407962104	-1.46742048	2.21E-20	0		
SYDE1	85360	CCUCAAGGAUUAUCUUCGA	Plate 5	G14	1566	130.00	155.71	1.608602579	0.511880406	6.94E-86	1		
SYDE1	85360	GCACCUGAAUCCUAAAGAC	Plate 5	H14	1284	41.24	334.90	0.281361708	-2.003429629	9.78E-08	0		
SYNPO	11346	AGUCACGGAUGGAGAAAUA	Plate 5	E4	289	141.93	196.59	1.335767813	0.243741724	1.89E-34	1	2	
SYNPO	11346	CAAGGAGCCUGCCAAGGUC	Plate 5	F4	992	59.80	292.11	0.327661603	-1.783649008	0.188318638	0		
SYNPO	11346	AAUCAGAACCCACCGGCAA	Plate 5	G4	10	33.97	51.03	0.625703222	-0.850377093	0.011512889	0		
SYNPO	11346	CCAGAGAAGCUACGCUCAU	Plate 5	H4	986	420.23	279.17	3.038784057	1.429566626	4.05E-121	1		
SYTL3	94120	GUACAGAGAUGGGCAAUUU	Plate 5	M20	290	503.46	240.71	4.168281564	1.885525202	2.97E-60	1	1	
SYTL3	94120	GUAAGAACCUUGCCUAUGG	Plate 5	N20	786	180.52	242.37	0.998703727	-0.175798872	2.71E-20	0		
SYTL3	94120	GAAGACAGCGUUCCUCAGA	Plate 5	O20	997	81.17	248.20	0.640084374	-0.817593538	6.73E-10	0		
SYTL3	94120	GGUGGAAAGGAGCGAAGAA	Plate 5	P20	741	94.75	219.98	1.051218711	-0.101864672	4.07E-13	0		
SYVN1	84447	CAACAAGGCUGUGUACAUG	Plate 5	E21	593	#DIV/0!	#DIV/0!	1.443525973	0.355669534	6.04E-43	1	1	
SYVN1	84447	UGUCUGGCCUUCACCGUUU	Plate 5	F21	203	59.39	217.87	0.788211683	-0.517272493	6.36E-11	0		
SYVN1	84447	GGAGAUGCCUGAGGAUGGA	Plate 5	G21	212	47.38	250.86	0.5427356	-1.055606083	0.000164905	0		
SYVN1	84447	CCAAGAGACUGCCCUGCAA	Plate 5	H21	8	19.00	129.66	0.639586405	-0.818716355	0.03103723	0		
TANK	10010	GGAUAGAGAUUCUGCAGUA	Plate 4	E4	598	258.87	206.13	4.405149821	1.930905719	1.45E-58	1	2	
TANK	10010	GCAACUCAAUAAAGCGUAU	Plate 4	F4	1241	128.51	251.04	0.824501848	-0.486690735	0.0000644	0		
TANK	10010	CAACAGACUAUUAUUGACA	Plate 4	G4	1444	50.96	308.43	0.319557286	-1.854138882	1.07E-21	0		
TANK	10010	GAGCAGAGAAUACGUGAAC	Plate 4	H4	1651	133.37	215.81	1.164921814	0.011947761	2.02E-45	1		
TAS2R19	259294	GCAACUGUGUUUAAUUCUG	Plate 3	I8	1121	130.06	160.36	1.942517949	0.786032707	8.58E-52	1	2	
TAS2R19	259294	GGUUUAGAAGUAAGAAUUG	Plate 3	J8	1165	118.21	395.38	0.490200752	-1.200450619	0.000000162	0		
TAS2R19	259294	UAACCAUGGAUGAGAGAGU	Plate 3	K8	763	191.67	197.16	1.274361179	0.177879001	2.42E-18	1		
TAS2R19	259294	UGGGUUAACACACGAAAGA	Plate 3	L8	1300	75.83	255.55	0.467675235	-1.268316281	0.395815081	0		
TBC1D21	161514	CCUCAGACAUUAAAGGAUU	Plate 2	I15	277	348.03	285.57	2.021055449	0.746636695	8.3E-36	1	2	
TBC1D21	161514	GGACUGAAGCCUGGAAAUU	Plate 2	J15	129	157.45	174.49	1.570919795	0.383137315	4.84E-28	1		
TBC1D21	161514	UAACAUUGCACGUGACAUU	Plate 2	K15	1069	50.10	372.48	0.226964402	-2.407934267	4.05E-09	0		
TBC1D21	161514	CUACAAGGCCUUAUGCCAA	Plate 2	L15	539	85.90	420.77	0.413860675	-1.541255134	0.81203278	0		
TBC1D4	9882	GCAGCAAUCUUUCGUCAGU	Plate 1	I20	1522	80.54	291.53	0.499142161	-1.194361532	8.25E-17	0	1	
TBC1D4	9882	GGUGGAAUAUCAUGUGCUA	Plate 1	J20	1639	174.27	324.84	1.093459128	-0.062984912	0.001506282	0		
TBC1D4	9882	CAAAUCUUGUUACUUCGAA	Plate 1	K20	1583	103.23	291.97	0.683367825	-0.741149979	9.36E-31	0		
TBC1D4	9882	GAGGAGAAAUUUGGCAGUU	Plate 1	L20	52	295.16	120.98	4.589617022	2.006489567	2.3E-16	1		
TBX2	6909	UAAACUCCAUGCACAAGUA	Plate 4	M21	459	209.37	144.56	3.533190046	1.612685985	2.65E-96	1	2	
TBX2	6909	UCACACAGCUGAAGAUCGA	Plate 4	N21	1514	118.26	207.88	0.950700754	-0.281222158	1.55E-17	0		
TBX2	6909	CAUCUGCGCUCCCUCAAGA	Plate 4	O21	1263	204.03	456.28	0.734777963	-0.652905103	0.444508501	0		
TBX2	6909	GCUGACGAUUGCCGCUAUA	Plate 4	P21	1467	173.91	144.73	2.349957041	1.024349016	8.11E-112	1		
TCTE1	202500	ACAAGACCCUCCUGGAAUU	Plate 4	I21	304	37.82	178.96	0.773973856	-0.577928628	4.77E-22	0	3	
TCTE1	202500	GACAAGGCACGCAUCAUAA	Plate 4	J21	199	90.60	43.11	3.114538621	1.430733095	3.41E-54	1		
TCTE1	202500	CCAACUGGGCGAUCUGGUA	Plate 4	K21	820	306.37	270.76	1.675914199	0.536662922	4.16E-79	1		
TCTE1	202500	GCAGGAUACCGUAACGACA	Plate 4	L21	926	216.32	244.21	1.738054582	0.589188022	2.43E-31	1		
TEAD1	7003	CACAAGACGUCAAGCCUUU	Plate 2	A3	436	388.56	296.99	4.015741628	1.737194241	8.1E-27	1	2	
TEAD1	7003	GAAAGGUGGCUUAAAGGAA	Plate 2	B3	615	77.97	217.29	0.87815263	-0.45592859	4.48E-17	0		
TEAD1	7003	CGAUUUGUAUACCGAAUAA	Plate 2	C3	1115	137.64	133.65	2.535437306	1.073762392	1.94E-79	1		
TEAD1	7003	CCCAAUGUGUGAAUAUAUG	Plate 2	D3	1194	86.37	292.44	0.731148317	-0.720236211	3.67E-08	0		
TIGD7	91151	AGACGGAACUCAUAAAUUA	Plate 2	M18	1582	138.59	304.04	0.69505204	-0.793279303	1.86E-20	0	1	
TIGD7	91151	GAUAGGGUGUGGUUAAAUG	Plate 2	N18	815	105.21	416.84	0.565610023	-1.090592617	0.818971491	0		
TIGD7	91151	GGACGUCAGGGCAUUGUUA	Plate 2	O18	1220	173.57	264.36	1.333937388	0.147218743	2.48E-46	1		
TIGD7	91151	GUUGAGCCAUUUCGACAAA	Plate 2	P18	1120	106.40	300.49	0.69310107	-0.797334558	0.372884852	0		
TIMELESS	8914	GAAGACAACUUGCUGAUUG	Plate 2	A9	387	164.97	197.20	2.034981866	0.756543729	2.34E-52	1	4	
TIMELESS	8914	GGAAGACGCUGUUGGUAAA	Plate 2	B9	904	232.90	85.08	4.65295972	1.949676489	2.54E-258	1		
TIMELESS	8914	CAACAGGCAUUCUCGAUUU	Plate 2	C9	189	353.05	102.06	5.718786371	2.247236805	1.61E-70	1		
TIMELESS	8914	AGGUAUUGCGCCAGCGAGA	Plate 2	D9	491	295.63	210.62	2.942776878	1.288705952	2.35E-66	1		
TIMM22	29928	CUGCUGCGAUUGAUUAUUA	Plate 2	A16	1388	152.26	402.40	0.654907086	-0.879110063	4.62E-21	0	3	
TIMM22	29928	GAAGAACAGUGUCAUCAGU	Plate 2	B16	1324	190.40	213.47	2.247883878	0.900095302	5.37E-70	1		
TIMM22	29928	CAACUAUCCGUCUCGAAUA	Plate 2	C16	1459	214.76	104.59	4.701703042	1.964711213	4.47E-198	1		
TIMM22	29928	CAUCACGGGAGGAGCUAUU	Plate 2	D16	354	265.53	227.86	2.594320037	1.106884253	3.91E-57	1		
TIMP3	7078	GGUAUCACCUGGGUUGUAA	Plate 1	I14	1000	200.71	430.58	0.769534727	-0.56982587	3.97E-11	0	2	
TIMP3	7078	GCUGACAGGUCGCGUCUAU	Plate 1	J14	1041	88.64	285.86	0.461234942	-1.308310489	7.61E-13	0		
TIMP3	7078	CCGACAUGCUCUCCAAUUU	Plate 1	K14	554	137.86	194.90	1.403025582	0.296657108	7.37E-121	1		
TIMP3	7078	GGGCUGAACUAUCGGUAUC	Plate 1	L14	1595	198.36	208.16	1.490323753	0.383741564	1.49E-100	1		
TIPIN	54962	GGACAAUCCAUGUAAUGAU	Plate 2	I21	1195	122.36	345.78	0.761330601	-0.661877237	0.022760241	0	2	
TIPIN	54962	UGGAUUAAACGAAGACAUU	Plate 2	J21	815	269.33	157.35	3.511499681	1.543615095	7.29E-106	1		
TIPIN	54962	UGAUUGACCUACCAGAUUA	Plate 2	K21	653	82.55	371.27	0.511215894	-1.236467612	0.14533037	0		
TIPIN	54962	GAGAUUAAUUUCAGAGAGA	Plate 2	L21	1351	273.30	235.85	2.207861527	0.874177483	1.45E-70	1		
TLE1	7088	GAACAAGCCUGACAAGUAC	Plate 3	I6	884	123.89	483.51	0.420499731	-1.421718439	3.69E-31	0	0	
TLE1	7088	GCACAGAUAAACGCAGAAA	Plate 3	J6	92	180.51	522.71	0.755213982	-0.576937842	0.008964279	0		
TLE1	7088	GGAAAAUGGAAUCGACAAA	Plate 3	K6	1424	109.59	242.91	0.871081639	-0.371015379	0.00000432	0		

TLE1	7088	GCCAAGAGAUUGAAUACGA	Plate 3	L6	1077	71.11	393.68	0.33294345	-1.758546159	2.9E-50	0		
TMCO6	55374	GCCUUUGGCUCCUCAACAA	Plate 4	I19	123	186.28	212.31	4.782640835	2.049522085	2.03E-19	1	1	
TMCO6	55374	ACACUGAAGUAGUAGGCCA	Plate 4	J19	698	50.61	133.88	0.731053369	-0.660236732	1.79E-30	0		
TMCO6	55374	UCUAACGUGGUGAGCGUAA	Plate 4	K19	975	78.99	306.63	0.429983121	-1.425933434	0.366263292	0		
TMCO6	55374	GCUGGAAGCUCUCGGAUAU	Plate 4	L19	759	113.23	270.21	0.945328253	-0.28939809	2.69E-12	0		
TMEM132A	54972	GAGUAGAGUUUGUGACAUU	Plate 4	I15	327	65.78	348.90	0.407186669	-1.504523133	0.0000167	0	0	
TMEM132A	54972	CAAAGAACCUCCCGACAGU	Plate 4	J15	596	80.34	312.75	0.527995376	-1.129688166	0.0000211	0		
TMEM132A	54972	GAGCUGGCCUACACGCUUG	Plate 4	K15	1272	69.14	175.93	0.718786445	-0.684650259	0.00000617	0		
TMEM132A	54972	CUGAGGAGCUUCGCAACUA	Plate 4	L15	667	37.46	248.76	0.406173055	-1.508118927	0.030203056	0		
TMEM18	129787	GAUGAACUGGAGAUUAUUU	Plate 2	M6	1136	272.81	483.77	0.951180039	-0.340681864	1.77E-08	0	0	
TMEM18	129787	CUACUGUGCUGAAUACAUC	Plate 2	N6	1195	87.60	382.16	0.483584581	-1.316632058	9.5E-26	0		
TMEM18	129787	GGAUGUUCAUUUCUAUAGU	Plate 2	O6	1630	111.60	260.99	0.862255526	-0.482284835	0.08094693	0		
TMEM18	129787	GUUAUGUGGGUAUGGAAGA	Plate 2	P6	1531	106.27	328.08	0.614325171	-0.971397806	0.000452272	0		
TNPO1	3842	GUAUAGAGAUGCAGCCUUA	Plate 1	E20	1044	418.34	96.80	9.46611285	3.050887914	0	1	2	
TNPO1	3842	GCAAAUGUGUAUCGUGAUG	Plate 1	F20	1817	202.72	134.36	3.509112796	1.619222115	4.24E-270	1		
TNPO1	3842	GCCGUUGCAUCAUGGAUUA	Plate 1	G20	1115	67.63	438.27	0.344875569	-1.727736372	0.838738033	0		
TNPO1	3842	CAAUUGGUCGUCUUGGUUA	Plate 1	H20	1069	156.35	295.52	0.982860479	-0.216825667	1.04E-71	0		
TOP1	7150	GAAAGGAAAUGACUAAUGA	Plate 4	A22	1203	102.66	201.38	0.780860887	-0.565147913	2.88E-12	0	1	
TOP1	7150	GAAGAAGGCUGUUCAGAGA	Plate 4	B22	1197	70.66	269.85	0.491096704	-1.234206323	0.529864088	0		
TOP1	7150	GGAAGUAGCUACGUUCUUU	Plate 4	C22	606	187.86	172.17	1.611669681	0.480270719	6.65E-41	1		
TOP1	7150	ACAUAAAGGUCCAGUAUUU	Plate 4	D22	693	141.05	240.88	0.953098644	-0.277587924	3.79E-08	0		
TP53	7157	GAGGUUGGCUCUGACUGUA	Plate 1	M8	1265	184.15	297.13	0.835075594	-0.451905501	1.19E-12	0	0	
TP53	7157	GCACAGAGGAAGAGAAUCU	Plate 1	N8	934	57.40	594.73	0.188935958	-2.595915005	6.45E-47	0		
TP53	7157	GAAGAAACCACUGGAUGGA	Plate 1	O8	635	64.26	439.51	0.304677319	-1.906530196	0.05497922	0		
TP53	7157	GCUUCGAGAUGUUCCGAGA	Plate 1	P8	1602	100.15	331.77	0.507101071	-1.17153898	0.002305743	0		
TRAF7	84231	GCACUGAGCUGAAGUUGAA	Plate 2	I5	296	111.46	313.06	1.219033214	0.017265225	1.81E-20	1	2	
TRAF7	84231	GGAUAGCACUGUGAAGGUU	Plate 2	J5	33	79.87	396.32	0.593190585	-1.021904605	0.04406997	0		
TRAF7	84231	GCGGGACGCAUCCAUGUUA	Plate 2	K5	1099	320.91	120.06	6.548613644	2.442717308	1.47E-167	1		
TRAF7	84231	AGACCCACCUGGAGACUUG	Plate 2	L5	844	44.22	319.50	0.276248349	-2.124434463	3.39E-12	0		
TRIM23	373	GAAGAAGGUUGUCAAACUA	Plate 5	I22	1240	15.02	352.48	0.100280013	-3.491821535	1.23E-138	0	0	
TRIM23	373	UCACAAGCAUUCAGUAUUG	Plate 5	J22	1233	47.80	354.58	0.270655189	-2.059399581	0.030271323	0		
TRIM23	373	GCAAAGUUGUUAACGGAAA	Plate 5	K22	1481	90.74	282.55	0.757872196	-0.573901047	0.00000603	0		
TRIM23	373	GGAGAGAGCAUCAUUCGUU	Plate 5	L22	1291	72.60	211.17	0.666190223	-0.759921446	0.000326252	0		
TRIM33	51592	GGACAAACCACAUUAGUAA	Plate 5	M4	1244	243.48	391.63	1.066778837	-0.080666423	4.9E-37	0	0	
TRIM33	51592	GCAAGCGACUGAUUACUUU	Plate 5	N4	1297	171.93	470.98	0.600829233	-0.908900619	0.049778795	0		
TRIM33	51592	UGAAACAUGUGAUAGAUUG	Plate 5	O4	1198	112.24	239.71	0.889291789	-0.343198762	2.61E-28	0		
TRIM33	51592	GUGAUAAUUUGCAACAUAG	Plate 5	P4	937	109.64	425.53	0.518745821	-1.120827818	1.83E-25	0		
TRIM43B	653192	CCACAGAUGAUCAGGAUUA	Plate 4	M22	459	56.51	108.11	1.241990514	0.104368787	3.46E-37	1	4	
TRIM43B	653192	CUAUAUGAGGAGAGAAGAA	Plate 4	N22	255	78.30	131.85	1.231708797	0.092375845	8.7E-32	1		
TRIM43B	653192	CGAAGAGGCAGCUGAGGAA	Plate 4	O22	220	200.41	204.89	1.954015285	0.758156385	6.41E-39	1		
TRIM43B	653192	GGACCCAUAGGCAAACAAA	Plate 4	P22	658	164.61	257.94	1.647939352	0.512377782	1.9E-37	1		
TRIM49	57093	GAAGAAGCCAACAAUGAUA	Plate 6	A4	1305	66.38	517.85	0.270303864	-2.102770788	7.21E-61	0	0	
TRIM49	57093	GGAAGGAUUAUGUGAAUUU	Plate 6	B4	506	154.16	379.44	0.822189232	-0.497882447	2.03E-09	0		
TRIM49	57093	GAACGAAAUGUGCCAUAAA	Plate 6	C4	490	22.03	391.66	0.210967163	-2.460334466	2.21E-14	0		
TRIM49	57093	GAAUCAGAAUGAGAAGAUA	Plate 6	D4	265	59.62	227.60	1.048600465	-0.146959739	5.54E-13	0		
TRIM60	166655	GAAAGAGAAUGCCAUGUGU	Plate 1	A15	1343	118.59	373.05	0.590029126	-0.953026129	0.043444295	0	0	
TRIM60	166655	GGAUCUAGAUGAUACCUUU	Plate 1	B15	1522	106.41	464.20	0.38852375	-1.555809509	6.48E-22	0		
TRIM60	166655	GGUCUAUUCUCUAUACUUU	Plate 1	C15	1221	119.46	364.71	0.602555915	-0.922717178	0.003641508	0		
TRIM60	166655	GCAAUUGGGCGAUACAUGA	Plate 1	D15	1517	100.68	324.30	0.563061267	-1.020520391	5.06E-10	0		
TRIM62	55223	CUACAAUGCUGAUGACAUG	Plate 2	A13	1019	188.14	343.93	1.047676657	-0.201278681	9.33E-20	0	0	
TRIM62	55223	GAUCAACACCGUCCUCAUC	Plate 2	B13	1329	92.21	195.89	0.764611515	-0.655673376	2.38E-70	0		
TRIM62	55223	UCGGACGACUGCACCAUUG	Plate 2	C13	1357	93.49	276.37	0.751628708	-0.680380133	0.085037252	0		
TRIM62	55223	CGCCAAAGCGCUUCGAUGU	Plate 2	D13	1475	90.25	255.62	0.688234707	-0.807499656	0.00000125	0		
TRPV4	59341	GCACACCGCCGUACCCUUA	Plate 2	E10	837	208.73	165.76	2.39749657	0.993056542	1.97E-94	1	4	
TRPV4	59341	GACCAAAUCUGCGCAUGAA	Plate 2	F10	38	336.08	225.49	2.762312451	1.197404307	2.74E-09	1		
TRPV4	59341	CAACCGGCCUAUCCUCUUU	Plate 2	G10	171	183.95	166.60	2.353205496	0.966155102	7.85E-41	1		
TRPV4	59341	GAACCCGUGUGCCAACAUG	Plate 2	H10	752	170.50	274.27	1.521541729	0.337061692	4.93E-12	1		
TSPAN16	26526	GAAAUCCACACUCCGUAUU	Plate 4	M12	913	179.90	247.45	1.373104393	0.249155946	1.37E-62	1	1	
TSPAN16	26526	GGGCCUCUCUGACGAAUGU	Plate 4	N12	1068	86.29	217.98	0.709698548	-0.703007107	4.86E-13	0		
TSPAN16	26526	GGUAUGGAGCGACUAAAGA	Plate 4	O12	1615	111.41	233.59	0.982268954	-0.234095361	2.78E-23	0		
TSPAN16	26526	CCCAGGAGUUGCUGUAAAU	Plate 4	P12	1553	67.67	495.67	0.252632301	-2.19317435	4.93E-131	0		
TTC12	54970	GAAAAGAGACUACGUCUUA	Plate 3	A20	717	190.79	213.07	1.77577964	0.656557344	0.67420881	0	0	
TTC12	54970	UCUAGAGAGUGUUAUAAGA	Plate 3	B20	1583	87.49	246.72	0.725933059	-0.633986798	0.001244965	0		
TTC12	54970	CAAUGGAUUUAGUAUCAUC	Plate 3	C20	708	#DIV/0!	#DIV/0!	0.43195929	-1.382927964	0.009273401	0		
TTC12	54970	GAGGUUAUCUACACACUCC	Plate 3	D20	1611	55.18	149.18	0.778301373	-0.533494415	8.56E-18	0		
TYW1	55253	GACAUACACUGACGGCCUA	Plate 5	M16	1097	59.47	193.01	0.496769998	-1.18327758	7.11E-26	0	1	
TYW1	55253	GAAGAGCUAUGAUAACUCC	Plate 5	N16	1345	75.69	414.76	0.349440307	-1.690809596	2.62E-35	0		
TYW1	55253	GGUAUGAGAUAUGCGGUAU	Plate 5	O16	1006	291.35	224.71	2.01037213	0.833535045	2.66E-140	1		
TYW1	55253	GAAUGACGGUAAAGCACUG	Plate 5	P16	1119	76.31	287.07	0.430229793	-1.390748192	0.000000203	0		
UBE2M	9040	GAUGAGGGCUUCUACAAGA	Plate 5	A15	1093	343.33	271.67	1.970071308	0.804320318	6.23E-94	1	3	
UBE2M	9040	GAAGCCAGUCCUUACGAUA	Plate 5	B15	1023	269.07	203.71	1.914985604	0.763406015	3.23E-125	1		
UBE2M	9040	CAGACGACCUCCUCAACUU	Plate 5	C15	9	#DIV/0!	#DIV/0!	0.50020891	-1.17332487	0.171396208	0		
UBE2M	9040	GAGCUGAACCUGCCCAAGA	Plate 5	D15	115	71.12	179.65	1.209662647	0.10067723	1.51E-17	1		
UBE2V2	7336	GCUAAGACGUCUAAUGAUG	Plate 4	A4	1338	143.58	271.23	0.878344058	-0.39542729	4.54E-10	0	3	
UBE2V2	7336	GGACAGGCAUGAUUAUUGG	Plate 4	B4	419	339.09	209.66	3.744690252	1.696561021	1.84E-42	1		
UBE2V2	7336	GAGUUAAAGUUCCUCGUAA	Plate 4	C4	1001	271.82	267.39	2.247973054	0.960339375	5.27E-16	1		
UBE2V2	7336	GCAUACCAGUGUUAGCAAA	Plate 4	D4	122	194.91	114.44	2.866805635	1.311158728	1.78E-32	1		
UBL3	5412	GAGAGUAAUUGUUGUGUAA	Plate 2	I9	1589	230.95	239.67	2.115355735	0.81242809	1.94E-80	1	2	
UBL3	5412	CCAAAUAUUCUACGACUUA	Plate 2	J9	1813	221.30	146.51	2.922823609	1.278890557	5.84E-167	1		
UBL3	5412	CGGCGGAUAUGAUAAAUUU	Plate 2	K9	1154	149.22	498.90	0.513840713	-1.229079099	0.00000963	0		
UBL3	5412	CGAUUCUGCUUCUGACAUU	Plate 2	L9	446	117.16	474.18	0.528807999	-1.187656304	0.00000103	0		
UGT2B4	7363	GCCCAUCUACUCUUAAAUU	Plate 2	A5	863	122.23	437.64	0.644289807	-0.902690533	0.000309703	0	1	
UGT2B4	7363	UAAGAGAUGGCAGAACUU	Plate 2	B5	194	90.81	149.94	2.128179815	0.821147844	6.49E-46	1		
UGT2B4	7363	GUACAAGAAAUCAUGUGGA	Plate 2	C5	1442	142.43	232.34	1.118576794	-0.106807903	1.17E-38	0		
UGT2B4	7363	GGGAAACCCAAUAAAUGAA	Plate 2	D5	1250	96.79	359.97	0.751035756	-0.68151871	0.147731342	0		
UHRF1	29128	GCCAUACCCUCUUCGACUA	Plate 6	A5	1280	203.33	261.05	1.34658316	0.213878497	9.75E-11	1	2	
UHRF1	29128	GGAACAGUCUUGUGAUCAG	Plate 6	B5	724	52.58	299.19	0.65432271	-0.827350582	0.115090116	0		
UHRF1	29128	UGGAGGAGGACGUCAUUUA	Plate 6	C5	103	117.79	114.98	1.801320614	0.633630156	1.53E-26	1		
UHRF1	29128	GAACGGCGUGGUCCAGAUG	Plate 6	D5	165	219.78	212.05	1.760237824	0.600345532	4.35E-17	1		
UNC13D	201294	GACAAGAUCUUCCACAAUA	Plate 1	M12	924	120.00	371.67	0.635882713	-0.845051614	0.011079437	0	0	
UNC13D	201294	GCAAAGAUGUCAGUGGGUU	Plate 1	N12	735	36.85	363.50	0.209749554	-2.445144556	1.35E-19	0		
UNC13D	201294	GGGCUUCGCAGGAUCUUUA	Plate 1	O12	1423	177.40	263.25	1.129982478	-0.015583805	4.85E-38	0		
UNC13D	201294	CAUCAGCGGUGGAUCUAUC	Plate 1	P12	654	111.82	284.19	0.711089642	-0.68378086	0.181119052	0		
USP38	84640	GGAAGUAGCUAGUAAAGCA	Plate 2	A22	856	43.90	206.48	0.699955849	-0.783136379	3.1E-09	0	0	
USP38	84640	GGAGACAAGUAUUAUCUUU	Plate 2	B22	1442	128.13	317.68	0.816822804	-0.560377161	0.537214791	0		
USP38	84640	GUCCAGAAGUUUACUAUUU	Plate 2	C22	803	45.06	586.64	0.128764498	-3.225665423	4.05E-94	0		
USP38	84640	GCAUAGUACUAAUGGUUUA	Plate 2	D22	1307	141.79	360.09	0.779984204	-0.626955396	0.058585271	0		
VPS36	51028	CAAAGAACAUGGCCAGAUU	Plate 1	A6	411	302.19	209.71	3.360276974	1.556695946	3.92E-61	1	2	
VPS36	51028	CAAAGAACCUGGCCCAUUC	Plate 1	B6	922	39.59	659.42	0.16059488	-2.830386404	1.94E-40	0		
VPS36	51028	GGGAAUAGCUAACCCAGUU	Plate 1	C6	29	232.89	83.28	5.077732504	2.152300188	7.63E-09	1		
VPS36	51028	CGACUGAUUUGGAGAGAUC	Plate 1	D6	710	170.93	311.63	0.903866003	-0.337703391	6.94E-18	0		
VPS8	23355	GCAAUAAGCUCCUUGUAUA	Plate 5	M22	1761	188.72	142.62	2.057070202	0.866663498	1.63E-243	1	4	
VPS8	23355	GCAAAUAUCUCCUUGUAUC	Plate 5	N22	1873	170.03	165.02	1.810063028	0.682112402	3.21E-183	1		
VPS8	23355	GCACUUUGGUUUCCGUUAU	Plate 5	O22	1428	143.28	233.59	1.288616685	0.191895649	1.06E-62	1		
VPS8	23355	GGGUACAUCUCAUGGAUUG	Plate 5	P22	1117	244.52	260.08	1.742468322	0.627204896	3.77E-59	1		
VSX2	338917	CGACACAGGACAAUCUUUA	Plate 4	A17	1243	215.89	122.97	3.47159472	1.587313167	2.48E-158	1	2	
VSX2	338917	GUCCAAAUCUGCUUUAAAC	Plate 4	B17	1541	129.50	244.71	0.987563766	-0.226339557	4.26E-11	0		
VSX2	338917	GCAGUGUCAUGGCGGAGUA	Plate 4	C17	804	79.44	288.46	0.802317975	-0.526039343	0.919780248	0		
VSX2	338917	CAACGAAGCCCACUACCCA	Plate 4	D17	154	102.77	54.38	3.240008503	1.487712232	7.53E-45	1		
WBSCR28	135886	GAGAUCACCUCUAUAAUUU	Plate 4	A13	584	90.03	442.65	0.465177464	-1.312432255	2.82E-14	0	1	
WBSCR28	135886	CCAGUCAGAUCCAGCCUUU	Plate 4	B13	185	508.14	204.13	5.003341962	2.114606692	6.96E-41	1		
WBSCR28	135886	GCAAGUGAACUGCGUGGUA	Plate 4	C13	1416	145.37	289.47	0.801033664	-0.528350589	0.031119242	0		
WBSCR28	135886	UGAGACGUCUGUAUUGGUG	Plate 4	D13	1255	113.06	173.34	1.058459964	-0.126318666	3.25E-31	0		

WDR33	55339	GCACAUAAGGAGGCGAUUA	Plate 5	E3	890	162.34	75.36	3.289123922	1.543775833	1.04E-216	1	3
WDR33	55339	UAAAGUAAAGUGUCCUGUA	Plate 5	F3	746	334.54	188.29	4.044902998	1.842177573	1.52E-171	1	
WDR33	55339	AAAUAUUGGCAGUCGAACA	Plate 5	G3	1175	94.47	96.80	1.931100453	0.775495681	1.43E-168	1	
WDR33	55339	AGAGAGAUAUGCGGGCAAU	Plate 5	H3	773	46.11	166.53	0.615216204	-0.874762125	2.67E-21	0	
WDR4	10785	GGACGUGGCUUUCGAGGAG	Plate 6	A6	390	134.76	258.62	0.94211081	-0.301456168	7.8E-18	0	0
WDR4	10785	GAGCACCGUGUUAAAGAAA	Plate 6	B6	962	49.52	365.08	0.413193531	-1.490535258	0.00000411	0	
WDR4	10785	AGGUCUUGGUGGCCGACAA	Plate 6	C6	349	104.04	142.81	1.178654237	0.021715729	1.75E-24	1	
WDR4	10785	GACGAGAAGAUCCGAGUCA	Plate 6	D6	1126	73.14	350.34	0.523062134	-1.150370591	1.42E-25	0	
XKR7	343702	GAGACGGACUUCUGCAUGU	Plate 4	E3	478	193.73	114.31	3.787833599	1.713087586	3.89E-99	1	3
XKR7	343702	GCUUUGCGCUGGGCAUAUU	Plate 4	F3	206	210.50	175.38	1.714679349	0.569653445	3.93E-31	1	
XKR7	343702	CUGGUUGCAUCUUCCGUAA	Plate 4	G3	1214	186.38	172.90	1.973963516	0.772809958	1.32E-134	1	
XKR7	343702	UCCAGAGCAUAGCGAACAA	Plate 4	H3	1190	92.16	369.33	0.472426989	-1.290122075	0.000487293	0	
XKRX	402415	GUACAUGGUUAGAAUCUAU	Plate 4	A21	720	70.02	173.87	0.999312812	-0.209277111	5.84E-31	0	1
XKRX	402415	UAGACUACCUCCAUUGUGU	Plate 4	B21	1412	220.70	166.74	2.432836804	1.074354179	3.87E-112	1	
XKRX	402415	CGACAAUGGACAGAGUUUA	Plate 4	C21	1510	107.72	177.23	1.091950886	-0.081377399	1.66E-59	0	
XKRX	402415	GCAAUAUGUUGGCUAUCCA	Plate 4	D21	992	117.71	253.16	0.774903184	-0.576197391	0.079456105	0	
XKRY	9082	GAGCUUACACUUUCUAUUA	Plate 1	I19	1336	89.90	330.33	0.476597159	-1.261041951	0.007908398	0	0
XKRY	9082	CGACUUUGCUGCCAUUAAG	Plate 1	J19	1144	47.27	446.32	0.213474913	-2.419745762	7.75E-12	0	
XKRY	9082	UGGCAUUCGUUGGUGAUUA	Plate 1	K19	1093	72.27	336.31	0.361921934	-1.658133757	0.253272736	0	
XKRY	9082	GGUAAGUAUGGAUGCUUAU	Plate 1	L19	942	130.20	392.46	0.621757054	-0.877461331	1.24E-08	0	
XKRY2	353515	GAGCUUACACUUUCUAUUA	Plate 2	I8	1331	72.22	360.29	0.317464088	-1.923806902	2.16E-16	0	0
XKRY2	353515	CGACUUUGCUGCCAUUAAG	Plate 2	J8	1029	48.29	467.00	0.216387799	-2.476781148	5.66E-39	0	
XKRY2	353515	UGGCAUUCGUUGGUGAUUA	Plate 2	K8	1025	88.09	310.81	0.476235751	-1.338724376	0.009383731	0	
XKRY2	353515	GGUAAGUAUGGAUGCUUAU	Plate 2	L8	418	128.77	329.00	1.120814987	-0.103924057	1.36E-18	0	
YIF1B	90522	GCAAGGAGCUGGUGGAUAA	Plate 3	M10	130	53.99	171.81	0.721002674	-0.643818708	1.75E-09	0	0
YIF1B	90522	UCACCAAGCUCAAGUAUUA	Plate 3	N10	1443	122.91	260.31	1.021753942	-0.140847413	0.000000303	0	
YIF1B	90522	GAACAUCGACCGCUUCAUC	Plate 3	O10	73	115.97	256.55	0.876926334	-0.361367662	0.0000268	0	
YIF1B	90522	ACAAAUAUGUCGGGAUGAU	Plate 3	P10	564	46.78	442.94	0.283019398	-1.992922378	1.21E-08	0	
ZBTB43	23099	GCAAAGAGGUUUAUGUGGA	Plate 1	A5	1545	156.04	293.87	1.067438039	-0.097731878	5.87E-19	0	2
ZBTB43	23099	GAACUGAGAGAUGGUGAAA	Plate 1	B5	568	176.86	357.26	0.691499022	-0.724085091	0.000226482	0	
ZBTB43	23099	CAUGUGACUUCUUGUACUA	Plate 1	C5	737	246.09	334.15	2.05684874	0.848551495	1.51E-61	1	
ZBTB43	23099	GCGCCAGCAAGGACAAUUA	Plate 1	D5	571	441.88	178.68	6.440812726	2.495358538	3.33E-134	1	
ZBTB8OS	339487	GAAAGUACUUAGCAUUGAU	Plate 5	I7	223	207.91	147.04	3.691437287	1.710255117	2.15E-39	1	4
ZBTB8OS	339487	CAGCAGAUGUCCAUGUUACA	Plate 5	J7	682	146.86	281.05	1.475623274	0.387396917	1.59E-30	1	
ZBTB8OS	339487	GGGCGGAAGUAGAGUGUCU	Plate 5	K7	159	547.12	159.40	5.413802501	2.262714726	1.59E-61	1	
ZBTB8OS	339487	UAAUGAAGAGAACCCGGAA	Plate 5	L7	211	207.65	275.59	1.507065961	0.41781503	8.28E-18	1	
ZDHHC9	51114	CAGAACACCUGAACUCAAA	Plate 4	M8	970	30.43	346.90	0.239559385	-2.269830126	5.76E-77	0	3
ZDHHC9	51114	GGAAGUCGACCUCCCAGUA	Plate 4	N8	506	291.98	98.73	5.401575124	2.225094798	6.34E-122	1	
ZDHHC9	51114	GGACUGACUGGAUUUCAUA	Plate 4	O8	1294	154.32	207.02	1.354834577	0.229831344	2.01E-40	1	
ZDHHC9	51114	GGAAGAAUCGCGUCCAGAA	Plate 4	P8	326	290.65	182.72	3.07014635	1.410022061	2.61E-38	1	
ZFP3	124961	GCAAGAACCUUUUGGGAUA	Plate 1	E10	846	201.37	201.77	2.436392529	1.092862379	4.29E-92	1	2
ZFP3	124961	CAGGGUUGAUGAUCUUUAA	Plate 1	F10	1296	193.27	304.94	1.151419223	0.011528997	2.68E-41	1	
ZFP3	124961	AGGGUUAGUUCACAGCUUA	Plate 1	G10	1345	174.30	343.02	0.71861805	-0.668587129	0.029031724	0	
ZFP3	124961	ACUCAGAGAUUAUUAGACA	Plate 1	H10	1358	75.06	319.19	0.50259441	-1.184417676	0.143339695	0	
ZNF181	339318	GAAGUCAGGUAGACCAUUU	Plate 5	I3	132	174.58	262.86	2.259372549	1.001994645	1.08E-12	1	2
ZNF181	339318	CAGACAGUGUUUACAAAUA	Plate 5	J3	486	227.46	318.20	1.119972959	-0.010463632	9.15E-26	0	
ZNF181	339318	GGUCAUCUCUCAUUCACCA	Plate 5	K3	21	114.15	118.29	1.911075025	0.760456885	0.00000112	1	
ZNF181	339318	AGUCGUGUGUCCCAUCUUA	Plate 5	L3	1151	63.63	205.05	0.526415627	-1.09965331	0.00000189	0	
ZNF324	25799	CCACGAGCUUUCCCAGAUA	Plate 3	A21	29	127.56	109.85	1.374866148	0.287395949	0.000000344	1	4
ZNF324	25799	CUAGACAACUUCGCACUUG	Plate 3	B21	1437	173.51	172.87	2.014616829	0.838610249	1.15E-51	1	
ZNF324	25799	GCCACGAGCUUUCCCAGAU	Plate 3	C21	7	#DIV/0!	#DIV/0!	3.707660468	1.718613912	0.001576954	1	
ZNF324	25799	CGACUGACCUCCCCGCUUA	Plate 3	D21	661	330.70	56.16	10.30911698	3.193953638	1.76E-207	1	
ZNF367	195828	AGAAAUCGCUCCAGGCUCA	Plate 2	E12	918	181.75	168.59	1.843954435	0.614330798	3.84E-56	1	2
ZNF367	195828	GCACACAACGUGACGCUCA	Plate 2	F12	289	474.12	243.00	3.614974756	1.585513364	4.48E-70	1	
ZNF367	195828	GAUACUGUCCGCGAUUUAA	Plate 2	G12	773	204.70	497.49	0.717783364	-0.746851818	0.010435679	0	
ZNF367	195828	GCAGAUUCACCCAUGCAAA	Plate 2	H12	1075	103.13	215.88	1.023858424	-0.234455971	6.54E-11	0	
ZNF385B	151126	CGGCAAAUCCCACCGCAAA	Plate 4	E18	515	112.34	139.37	1.022540892	-0.176126829	2E-41	0	0
ZNF385B	151126	CGGUACUGUUGUUGAAUCA	Plate 4	F18	921	37.00	360.74	0.186080235	-2.634288635	6.07E-62	0	
ZNF385B	151126	CAGCACAUUUCUAGCCGAA	Plate 4	G18	817	55.60	264.51	0.328191989	-1.815673438	0.0000498	0	
ZNF385B	151126	AGCACUAGACGCAACGAAA	Plate 4	H18	1381	83.27	199.86	0.831080389	-0.475225429	2.49E-13	0	
ZNF41	7592	GGACAAACCUCACCACACA	Plate 3	I15	56	97.38	138.25	1.991864133	0.822224022	8.33E-12	1	1
ZNF41	7592	GAUCAGACCUCUUUAGACA	Plate 3	J15	799	65.58	221.34	0.51815771	-1.120432044	0.00000209	0	
ZNF41	7592	GAGAUUUGAUCAACCCAUA	Plate 3	K15	702	83.15	279.10	0.494554104	-1.187694956	0.002687412	0	
ZNF41	7592	CAGAAAGCCACACUAAGUA	Plate 3	L15	294	48.40	106.55	0.748785083	-0.589271621	2.62E-32	0	
ZNF48	197407	CGAAUGAGUUUGAACAUAC	Plate 5	I14	714	36.34	286.40	0.497807589	-1.180267403	0.336511123	0	1
ZNF48	197407	GGAAGAAGAUUUGGCUCCA	Plate 5	J14	61	155.04	302.29	1.205141416	0.095274916	0.000000237	1	
ZNF48	197407	GGAAUGCGACCGUACCUUC	Plate 5	K14	1176	92.61	152.50	1.096810683	-0.040613004	1.04E-67	0	
ZNF48	197407	UCUCAAACCUGAAGGCAUC	Plate 5	L14	562	96.61	161.51	0.983197903	-0.198373788	9.69E-40	0	
ZNF596	169270	GCAAAUCAGUUGUGCUUUC	Plate 2	I17	334	135.93	314.52	1.3513094	0.165885827	2.94E-15	1	1
ZNF596	169270	GAUUAUGCCUUUAUCCAAA	Plate 2	J17	1109	55.81	369.96	0.2860949	-2.073906526	2.18E-18	0	
ZNF596	169270	CGAAACACUUUGUAAGCAA	Plate 2	K17	1063	178.36	325.96	0.883162614	-0.447721202	1.17E-12	0	
ZNF596	169270	GACUCACACUAGAGAGAUA	Plate 2	L17	1095	126.49	329.72	0.574822843	-1.067282909	0.687450751	0	
ZNF615	284370	GCAGAGAAGCCAUAUAUAU	Plate 5	M19	1003	30.19	396.35	0.170472917	-2.726313073	4.15E-88	0	0
ZNF615	284370	GCAAAGAUCCGGCUAAUGG	Plate 5	N19	1420	128.82	207.55	0.976902114	-0.207641615	1.09E-31	0	
ZNF615	284370	GCAAGAUUGUGAUACGUUU	Plate 5	O19	1495	87.62	224.20	0.675377334	-0.740161865	5.72E-15	0	
ZNF615	284370	GCAAAGACUUAACUGGGAA	Plate 5	P19	516	88.10	263.32	0.69990183	-0.688703046	1.68E-20	0	
ZNF674	641339	AAAUAAUCAUGGCGAGUAA	Plate 3	A22	551	67.67	299.90	0.508901411	-1.146437126	0.181119052	0	1
ZNF674	641339	UAAACAAACCCAUGGUAUA	Plate 3	B22	1570	101.98	264.17	0.701119467	-0.684163025	0.308512659	0	
ZNF674	641339	ACACAUUAGACAAGCAUUU	Plate 3	C22	199	#DIV/0!	#DIV/0!	1.285324068	0.190236929	3.14E-48	1	
ZNF674	641339	CUUGAGAGUGGGAUAAUUA	Plate 3	D22	945	100.12	282.97	0.900925388	-0.322415686	3.27E-08	0	
ZNF678	339500	GCAAACACCUCUACCAGUU	Plate 5	A11	69	314.14	266.59	1.564493438	0.471768075	4.63E-13	1	3
ZNF678	339500	GCAAUAGACUUACUCAAUG	Plate 5	B11	1212	93.00	302.94	0.553220774	-1.028000296	0.905649698	0	
ZNF678	339500	GGAGGUCAAUCCUUACUGA	Plate 5	C11	1460	273.34	252.90	2.224385939	0.97947959	2.76E-48	1	
ZNF678	339500	GGUCACAACUAACUAACCA	Plate 5	D11	77	346.21	213.48	4.220147245	1.903365805	5.54E-17	1	
ZNF709	163051	GAAAGAAGGUAGUCAGUUU	Plate 3	M8	118	176.60	213.04	1.349021617	0.260018245	3.22E-20	1	2
ZNF709	163051	GAAAGGACUAUAUGUGUCA	Plate 3	N8	148	489.35	115.09	5.789858686	2.361632915	3.83E-60	1	
ZNF709	163051	AGAUUCAGCUUUCGAAGUU	Plate 3	O8	675	40.72	449.61	0.266639037	-2.078935306	1.88E-40	0	
ZNF709	163051	GUAAGGCGUUUAGUUGUUC	Plate 3	P8	1227	47.68	208.01	0.338301414	-1.735514112	0.000000207	0	
ZNF84	7637	GAAAGUAGAUGGUAACAUG	Plate 5	I11	679	204.73	482.39	0.632284395	-0.835282013	0.000056	0	0
ZNF84	7637	UGACUUAGAUGGAUUGAUU	Plate 5	J11	1068	76.74	156.71	0.85902755	-0.393151226	2.29E-15	0	
ZNF84	7637	GAAAUCACAGCUCGUUAGA	Plate 5	K11	1431	63.06	270.61	0.3674582	-1.618275482	0.153284768	0	
ZNF84	7637	GCAUUUAGAGAGAGGUCGA	Plate 5	L11	1486	119.39	190.67	1.05358267	-0.098624011	1.54E-60	0	