

Table S2

#Pri-miR-30/NCCR5

	Reads	%
CGACGGUGUAAACUGAGCUUGCUCGCGUGAAGCCACAGAUGGCGAGCAAGCUCCGUUUACACGGCUG		
.GACGGUGUAAACUGAGCUUGCXXXX	11	0.01
..ACGGUGUAAACUGAGCUUGCXXXX	91	0.05
...CGGUGUAAACUGAGCUUGCXXXX	62	0.03
....GGUGUAAACUGAGCUUGCXXXXXXX	181291	95.76
.....GUGUAAACUGAGCUUGCXXXXXX	2260	1.19
.....UGUAAACUGAGCUUGCXXXXXX	1877	0.99
.....GUAACUGAGCUUGCUCXXXX	2724	1.44
.....UAAACUGAGCUUGCUCGXXX	383	0.20
.....AAACUGAGCUUGCUCGXXX	419	0.22
.....AACUGAGCUUGCUCGX	188	0.10
.....ACUGAGCUUGCUCGCGX	6	0.00
.....CUGAGCUUGCUCGCGU	2	0.00
.....CUCGCGUGAAGCCACAGAUGG	2	
.....CGCGUGAAGCCACAGAUGG	2	
.....CGUGAAGCCACAGAUGGXX	133	
.....GUGAAGCCACAGAUGGXXXX	1881	
.....UGAAGCCACAGAUGGXX	39	
.....GAAGCCACAGAUGGCG	4	
.....CCACAGAUGGCGAGCAAGCUCCGUUU	2	
.....CACAGAUGGCGAGCAAGCUCCGUUU	2	
.....CAGAUGGCGAGCAAGCUXXXXXXXXXXX	7	
.....UGGCGAGCAAGCUCCGUUUACACGGC	2	0.00
.....GGCGAGCAAGCUCCGUUUAC	2	0.00
.....CGAGCAAGCUCCGUUUACXXXXXXXX	7376	3.75
.....GAGCAAGCUCCGUUUACXXXXXXXX	172515	87.78
.....AGCAAGCUCCGUUUACACXXXX	9455	4.81
.....GCAAGCUCCGUUUACACGGXX	3230	1.64
.....CAAGCUCCGUUUACACGGXX	807	0.41
.....AAGCUCCGUUUACACGGXX	1193	0.61
.....AGCUCCGUUUACACGGXX	999	0.51
.....GCUCCGUUUACACGGCX	664	0.34
.....CUCCGUUUACACGGCU	290	0.15

#Pri-miR-150/NCCR5

	Reads	%
CCUGGGUGUAAACUGAGCUUGCUCGCCUGGGCUCAGAGGGAGCAAGCUCCGUUUACACGCAGGGACC		
.CUGGGUGUAAACUGAGCUUGCXXXX	5	0.00
..UGGGUGUAAACUGAGCUUGCXXXX	329	0.26
...GGGUGUAAACUGAGCUUGCXXXXXX	236	0.19
....GGUGUAAACUGAGCUUGCXXXXXXX	121098	96.71
.....GUGUAAACUGAGCUUGCXXXXXX	698	0.56
.....UGUAAACUGAGCUUGCXXXXXX	903	0.72
.....GUAACUGAGCUUGCUCGXXX	1267	1.01
.....UAAACUGAGCUUGCUCGXXXXXX	268	0.21
.....AAACUGAGCUUGCUCGXXX	272	0.22
.....AACUGAGCUUGCUCGX	106	0.08
.....ACUGAGCUUGCUCGX	24	0.02
.....CUGAGCUUGCUCGCCXXXXXX	12	0.01
.....AGCUUGCUCGCCUGGGCU	2	
.....GAGCAAGCUCCGUUUAXXXXXXXXXXXXX	26677	95.16
.....AGCAAGCUCCGUUUACACGCXX	597	2.13
.....GCAAGCUCCGUUUACACGCXXXXXXXX	394	1.41
.....CAAGCUCCGUUUACACGCXXXXXXXX	71	0.25
.....AAGCUCCGUUUACACGCXXXXXXXX	213	0.76
.....AGCUCCGUUUACACGCAXXXXXX	38	0.14

.....GCUCCGUUUACACGCAXXXXXX	6	0.02
.....CUCCGUUUACACGCAGGGACC	12	0.04
.....UCCGUUUACACGCAGGGAXX	16	0.06
.....CCGUUUACACGCAGGGACX	8	0.03
.....CGUUUACACGCAGGGACC	3	0.01

#sh1005

	Reads	
GUUAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUUU	7	0.00
GUUAGAGCAAGCUCAGUUUACA.....	35	0.01
.UUAGAGCAAGCUCAGUUUACAXXX.....	210	0.06
..UAGAGCAAGCUCAGUUUXXXXXX.....	331556	97.32
...AGAGCAAGCUCAGUUXXXXXXXXXXXXXXXXXX.....	5078	1.49
....GAGCAAGCUCAGUUUAXXXXXXXXXXXXXX.....	1262	0.37
.....AGCAAGCUCAGUUUACXXXXXXXXXXXXXX.....	1044	0.31
.....GCAAGCUCAGUUUACAXXXXXXXXXXXXXX.....	453	0.13
.....CAAGCUCAGUUUACACXXXXXXXXXXXXXX.....	1052	0.31
.....AAGCUCAGUUUACACXXXXXXXXXXXXXX.....	363	
.....AGCUCAGUUUACACXXXXXXXXXXXXXX.....	91	
.....GCUCAGUUUACACCUUXXXXXXXXXXXXX.....	166	
.....CUCAGUUUACACCUUGXXXXXXXXXXXXX.....	206	
.....UCAGUUUACACCUUGUXXXXXXXXXXXXX.....	133	
.....CAGUUUACACCUUGUCCXXXXXXXXXXXXX.....	99	
.....AGUUUACACCUUGUCCXXXXXXXXXXXXX.....	87	
.....GUUUACACCUUGUCCGXXXXXXXXXXXXX.....	213	
.....UUUACACCUUGUCCGAXXXXXXXXXXXXXX.....	124	
.....UACACCUUGUCCGACXXXXXXXXXXXXX.....	188	
.....ACACCUUGUCCGACGGXXXXXXXXXXXXX.....	170	
.....CACCUUGUCCGACGGUXXXXXXXXXXXXX.....	409	
.....ACCUUGUCCGACGGUGXXXXXXXXXXXXX.....	669	
.....CCUUGUCCGACGGUGUXXXXXXXXXXXXX.....	783	
.....CUUGUCCGACGGUGUAXXXXXXXXXXXXXX.....	1017	
.....UUGUCCGACGGUGUAAXXXXXXXXXXXXXX.....	435	
.....UGUCCGACGGUGUAAAXXXXXXXXXXXXXX.....	350	
.....GUCCGACGGUGUAAACXXXXXXXXXXXXX.....	180	
.....UCCGACGGUGUAAACUXXXXXXXXXXXXX.....	158	
.....CCGACGGUGUAAACUGXXXXXXXXXXXXX.....	1444	
.....CGACGGUGUAAACUGAXXXXXXXXXXXXXX.....	891	
.....GACGGUGUAAACUGAGXXXXXXXXXXXXX.....	1031	
.....ACGGUGUAAACUGAGCXXXXXXXXXXXXX.....	2203	0.16
.....CGGUGUAAACUGAGCUXXXXXXXXXXXXX.....	1846	0.14
.....GGUGUAAACUGAGCUUXXXXXXXXXXXXX.....	885	0.07
.....GUGUAAACUGAGCUUGXXXXXXXXXXXXX.....	39276	2.93
.....UGUAAACUGAGCUUGXXXXXXXXXXXXX.....	1268148	94.50
.....GUAAACUGAGCUUGCXXXXXXXXXXXXX.....	17476	1.30
.....UAAACUGAGCUUGCUCXXXXXXXXXXXXX.....	4196	0.31
.....AAACUGAGCUUGCUCUXXXXXXXXXXXXX.....	4659	0.35
.....AACUGAGCUUGCUCUUXXXXXXXXXXXXX.....	1552	0.12
.....ACUGAGCUUGCUCUUUXXXXXXXXXXXXX.....	1280	0.10
.....CUGAGCUUGCUCUUUXXXXXXXXXXXXX.....	321	0.02
.....UGAGCUUGCUCUUUUUXXXXXXXXXXXXX.....	104	0.01
.....GAGCUUGCUCUUUUUXXXXXXXXXXXXX.....	4	0.00

#Pri-miR-30/WCCR5

	Reads	
CGACUGUAAACUGAGCUUGCUCUACUGUGAAGCCACAGAUGGGUAGAGCAAGCACAGUUUACCGCUGC	3	0.00
.GACUGUAAACUGAGCUUGCUCUACU.....	28	0.01
..ACUGUAAACUGAGCUUGCUCUAXXX.....	99	0.02
...CUGUAAACUGAGCUUGCUCUACX.....	486211	97.26
....UGUAAACUGAGCUUGXXXXXXXXXXXXX.....		

.....GUA AACUGAGCUUGCUCXXXXX.....	7738	1.55
.....UAAACUGAGCUUGCUCUAXX.....	1358	0.27
.....AAACUGAGCUUGCUCUXXX.....	2065	0.41
.....AACUGAGCUUGCUCUACX.....	964	0.19
.....ACUGAGCUUGCUCUACX.....	602	0.12
.....CUGAGCUUGCUCUACU.....	825	0.17
.....UGAGCUUGCUCUACU.....	9	0.00
.....UUGCUCUACUGUGAAGCCACAGAUGG.....	2	
.....UGCUCUACUGUGAAGCCACAGA.....	2	
.....CUGUGAAGCCACAGAUGGGUA.....	3	
.....GUGAAGCCACAGAUGGGX.....	162	
.....UGAAGCCACAGAUGGGXXXXX.....	5	
.....CAGAUGGGUAGAGCAAGCACAG.....	2	
.....GAUGGGUAGAGCAAGCXXXXXXXXXXXXX.....	8	
.....AUGGGUAGAGCAAGCACAGUUUACCGC.....	8	
.....UGGGUAGAGCAAGCACAGUUUACCGC.....	8	
.....GGGUAGAGCAAGCACAGUUUACCGC.....	5	
.....GGUAGAGCAAGCACAGUUUACCGCX.....	21	0.01
.....GUAGAGCAAGCACAGUUUACCCXX.....	60	0.03
.....UAGAGCAAGCACAGUXXXXXXXXXXXXX.....	213875	97.70
.....AGAGCAAGCACAGUUUACCCXX.....	3080	1.41
.....GAGCAAGCACAGUUUACCGXX.....	549	0.25
.....AGCAAGCACAGUUUACCCXX.....	304	0.14
.....GCAAGCACAGUUUACCCXX.....	332	0.15
.....CAAGCACAGUUUACCGXX.....	210	0.10
.....AAGCACAGUUUACCGCX.....	454	0.21
.....AGCACAGUUUACCGCU.....	20	0.01

#Pri-miR-150/WCCR5

	Reads	
CCUGUGUAAACUGAGCUUGCUCUAUGCUGGGCUCAGACCUAGAGCAAGCACAGUUUACCCAGG		
.CUGUGUAAACUGAGCUUGCUC.....	2	0.00
.UGUGUAAACUGAGCUUGCUCXXX.....	398	0.28
.GUGUAAACUGAGCUUGCUCUAXX.....	23	0.02
.UGUAAACUGAGCUUGCXXXXXXXXXXXXX.....	137090	96.63
.GUA AACUGAGCUUGCUCXXXXXX.....	2492	1.76
.UAAACUGAGCUUGCUCUAUXX.....	502	0.35
.AAACUGAGCUUGCUCUAXX.....	600	0.42
.AACUGAGCUUGCUCUAUX.....	235	0.17
.ACUGAGCUUGCUCUAUX.....	159	0.11
.CUGAGCUUGCUCUAUXX.....	369	0.26
.UGAGCUUGCUCUAUGC.....	4	0.00
.UCUAUGCUGGGCUCAGAC.....	2	
.UAUGCUGGGCUCAGACC.....	2	
.AUGCUGGGCUCAGACC.....	2	
.GGGCUCAGACCUAGAG.....	2	
.GACCUAGAGCAAGCACAGUUUACC.....	2	0.00
.CCUAGAGCAAGCACAGUUUACCCA.....	2	0.00
.CUAGAGCAAGCACAGUUUACCCXX.....	133	0.18
.UAGAGCAAGCACAGUXXXXXXXXXXXXX.....	74326	98.71
.AGAGCAAGCACAGUUUAXXXX.....	499	0.66
.GAGCAAGCACAGUUUACCCXX.....	151	0.20
.AGCAAGCACAGUUUACCCXX.....	58	0.08
.GCAAGCACAGUUUACCCX.....	62	0.08
.CAAGCACAGUUUACCCX.....	29	0.04
.AAGCACAGUUUACCCA.....	37	0.05

#cshR-rluc-1

	Reads	
GUUAGGUCGUACACCUUGGAAGCCUGUGAAGCCACAGAUGGGGGCUUCAAGGUGUACGACCUUUUU		
GUUAGGUCGUACACCUUGGAAGC.....	2	0.00

.UUAGGUCGUACACCUUGGAAGCX.....	5	0.00
.UAGGUCGUACACCUUGGAAGXXX.....	73	0.06
.AGGUCGUACACCUUGGXXXXXXXXXXXXX.....	106982	93.10
.GGUCGUACACCUUGGAXXXXXXXXXX.....	4538	3.95
.GUCGUACACCUUGGAAXXXXXXXXXX.....	2305	2.01
.UCGUACACCUUGGAAGXXXXXXXXX.....	272	0.24
.CGUACACCUUGGAAGCXXXXX.....	484	0.42
.GUACACCUUGGAAGCXXXXXXXXXXXXX.....	244	0.21
.UACACCUUGGAAGCCXXXXXXXXX.....	38	
.ACACCUUGGAAGCCUXX.....	30	
.CACCUUGGAAGCCUG.....	5	
.ACCUUGGAAGCCUGUGAAGCCAX.....	6	
.CCUUGGAAGCCUGUGXXXXXXXXXXXXX.....	13	
.UUGGAAGCCUGUGAAXXXXXXXXXXXXXX.....	31	
.UGGAAGCCUGUGAAGXXXXXXXXXXXXX.....	39	
.GAAGCCUGUGAAGCCACAGAUGGGG.....	2	
.GCCUGUGAAGCCACAGAXX.....	5	
.CCUGUGAAGCCACAGA.....	3	
.CCUGUGAAGCCACAGAUGGXXXX.....	25	
.CUGUGAAGCCACAGAUGGXXX.....	1592	
.UGUGAAGCCACAGAUGXXXX.....	1089	
.GUGAAGCCACAGAUGGGXX.....	32	
.UGAAGCCACAGAUGGGXX.....	10	
.GAAGCCACAGAUGGGGX.....	19	
.AAGCCACAGAUGGGGGX.....	15	
.CCACAGAUGGGGGCUUCCAAGXXXXXXXXX.....	8	
.CACAGAUGGGGGCUUCXXXXXXXXXXXXX.....	6	
.GAUGGGGGCUUCCAAGXXXXXXXXXXXXX.....	5	
.AUGGGGGCUUCCAAGXXXXXXXXXXXXX.....	13	
.UGGGGGCUUCCAAGXXXXXXXXXXXXX.....	41	
.GGGGCUUCCAAGGUGUACGXXXXXXXXX.....	18	
.GGGCUUCCAAGGUGUACGXXXXX.....	102	
.GGGCUUCCAAGGUGUACGACCXXXXX.....	41	
.GGCUUCCAAGGUGUACXXXXXXXXXXXXX.....	1537	
.GCUUCCAAGGUGUACXXXXXXXXXXXXX.....	166737	
.CUUCCAAGGUGUACGXXXXXXXXXXXXX.....	298501	
.UUCCAAGGUGUACGACXXXXXXXXX.....	19111	
.UCCAAGGUGUACGACCXXXXX.....	6790	
.CCAAGGUGUACGACCUXXXX.....	2139	
.CAAGGUGUACGACCUUXXX.....	1519	
.AAGGUGUACGACCUUUXX.....	652	
.AGGUGUACGACCUUUXX.....	21	

#cshR-rluc-20

	Reads	
GUUAAUGCGUUUGCGUUGCUCGGCUGUGAAGCCACAGAUGGGCCCAGCAACGCAAACGCAUUUUU		
GUUAAUGCGUUUGCGUUGCUCGG.....	3	0.00
.UUAUGCGUUUGCGUUGCUCGG.....	2	0.00
.UAAUGCGUUUGCGUUGCUCGGXX.....	25	0.03
.AAUGCGUUUGCGUUGCXXXXXXXXXXXXX.....	70544	91.69
.AUGCGUUUGCGUUGCXXXXXXXXX.....	2986	3.88
.UGCGUUUGCGUUGCXXXXXXXXX.....	1411	1.83
.GCGUUUGCGUUGCXXXXXXXXX.....	1453	1.89
.CGUUUGCGUUGCUCGGXXXXXXXXX.....	181	0.24
.GUUUGCGUUGCUCGGXXXXXXXXX.....	332	0.43
.UUUGCGUUGCUCGGCXXXXXXXXX.....	146	
.UUGCGUUGCUCGGCXXXXXXXXX.....	149	
.UGCUGUUGCUCGGCUG.....	24	
.GCGUUGCUCGGCUGUX.....	8	
.CGUUGCUCGGCUGUGXXX.....	15	

.....UUGCUCGGGCUGUGAAGXXXX.....	22
.....GCUCGGGCUGUGAAGCCA.....	3
.....CUCGGGCUGUGAAGCCA.....	2
.....CGGGCUGUGAAGCCACXXXX.....	8
.....GCUGUGAAGCCACAGAUGGGCXXXXX.....	12
.....CUGUGAAGCCACAGAUGGXXXXXXX.....	6948
.....UGUGAAGCCACAGAUGGXXXXXXXXXX.....	906
.....GUGAAGCCACAGAUGGXXXXXXXXXX.....	100
.....UGAAGCCACAGAUGGGXXXXXXXXXX.....	46
.....GAAGCCACAGAUGGGCX.....	33
.....AAGCCACAGAUGGGCC.....	28
.....AGCCACAGAUGGGCCCGAGCAACG.....	4
.....GCCACAGAUGGGCCCGAGCAAC.....	2
.....CCACAGAUGGGCCCGAGCAACGXXXXXX.....	28
.....CACAGAUGGGCCCGAGXXXXXXXXXXXX.....	24
.....ACAGAUGGGCCCGAGCAACGCAAACG.....	2
.....CAGAUGGGCCCGAGCAXXXXXXXXXXXXXX.....	17
.....AGAUGGGCCCGAGCAACGCAAAXXXXXXXXXX.....	12
.....GAUGGGCCCGAGCAACGXXXXXXXXXXXXX.....	6
.....AUGGGCCCGAGCAACGXXXXXXXXXXXXX.....	47
.....UGGGCCCGAGCAACGXXXXXXXXXXXXX.....	87
.....GGGCCCGAGCAACGCAAAXXXXXXXXXX.....	23
.....GGCCCGAGCAACGCAAAXXXXXXXXXX.....	84
.....GCCCGAGCAACGCAAACGXXXXXXXXXX.....	270
.....CCCGAGCAACGCAAACGXXXXXXXXXX.....	12442
.....CCGAGCAACGCAAACGXXXXXXXXXX.....	82345
.....CGAGCAACGCAAACGXXXXXXXXXX.....	214963
.....GAGCAACGCAAACGCAXXXXXX.....	5141
.....AGCAACGCAAACGCAUXXXX.....	605
.....GCAACGCAAACGCAUUXXX.....	521
.....CAACGCAAACGCAUUUXX.....	565
.....AACGCAAACGCAUUUUX.....	1082
.....ACGCAAACGCAUUUUX.....	32

#cshR-rluc-123

	Reads	
GUUAAAUCACGGCGUUCUCGGCGUCUGUGAAGCCACAGAUGGGACGCCGAGAACGCCGUGAUUUUU		
GUUAAAUCACGGCGUUCUCGGCGUC.....	2	0.00
.UUAAAUCACGGCGUUCUCGGCGUCX.....	9	0.00
.UAAAUCACGGCGUUCUCGGCGXXX.....	40	0.01
..AAAUCACGGCGUUCXXXXXXXXXXXXXXXXX.....	375790	92.52
...AAUCACGGCGUUCUCGXXXXXXXXXX.....	13283	3.27
....AUCACGGCGUUCUCGGXXXXXXXXXX.....	5493	1.35
.....UCACGGCGUUCUCGGXXXXXXXXXX.....	3849	0.95
.....CACGGCGUUCUCGGXXXXXXXXXXXXX.....	6378	1.57
.....ACGGCGUUCUCGGGXXXXXXXXXXXXX.....	1312	0.32
.....CGGCGUUCUCGGGXXXXXXXXXXXXX.....	626	
.....GGCGUUCUCGGGUCXXXXXXXXXXXXX.....	19	
.....GCGUUCUCGGGUCUGXXXXXXXXXXXXX.....	26	
.....CGUUCUCGGGUCUGXXXXXXXXXXXXX.....	26	
.....GUUCUCGGGUCUGUGXXXXXXXXXXXXX.....	33	
.....UUCUCGGGUCUGUGAAGXXXXXXXXXXXXX.....	20	
.....UCUCGGGUCUGUGAAGXXXXX.....	17	
.....CUCGGGUCUGUGAAGXXXXXXXXXXXXX.....	24	
.....UCGGGUCUGUGAAGCCX.....	10	
.....CGGCGUCUGUGAAGCCXXXXXXXXXXXXX.....	15	
.....GGCGUCUGUGAAGCCACXXXXXXXXXXXXX.....	9	
.....GCGUCUGUGAAGCCACXXXXXXXXXXXXX.....	30	
.....CGUCUGUGAAGCCACAGXXXXXXXXXXXXX.....	27	
.....GUCUGUGAAGCCACAGXXXXXXXXXXXXX.....	38	

.....UCUGUGAAGCCACAGAUXXXXXXXXXXXXX.....	519
.....CUGUGAAGCCACAGAUXXXXXXXXXXXXX.....	975
.....UGUGAAGCCACAGAUXXXXXXXXXXXXX.....	2858
.....GUGAAGCCACAGAUXXXXXXXXXXXXX.....	132
.....UGAAGCCACAGAUXXXXXXXXXXXXX.....	279
.....GAAGCCACAGAUXXXXXXXXXXXXX.....	82
.....AAGCCACAGAUXXXXXXXXXXXXX.....	31
.....AGCCACAGAUXXXXXXXXXXXXX.....	11
.....GCCACAGAUXXXXXXXXXXXXX.....	13
.....CCACAGAUXXXXXXXXXXXXX.....	197
.....CACAGAUXXXXXXXXXXXXX.....	71
.....ACAGAUXXXXXXXXXXXXX.....	29
.....CAGAUXXXXXXXXXXXXX.....	92
.....AGAUGGACGCCGAGXXXXXXXXXXXXX.....	77
.....GAUGGACGCCGAGXXXXXXXXXXXXX.....	17
.....AUGGACGCCGAGXXXXXXXXXXXXX.....	90
.....UGGACGCCGAGXXXXXXXXXXXXX.....	223
.....GGGACGCCGAGXXXXXXXXXXXXX.....	96
.....GGACGCCGAGXXXXXXXXXXXXX.....	46
.....GACGCCGAGXXXXXXXXXXXXX.....	1457
.....ACGCCGAGXXXXXXXXXXXXX.....	7143
.....CGCCGAGXXXXXXXXXXXXX.....	98584
.....GCCGAGXXXXXXXXXXXXX.....	7328
.....CCGAGXXXXXXXXXXXXX.....	847
.....CGAGXXXXXXXXXXXXX.....	533
.....GAGXXXXXXXXXXXXX.....	448
.....AGAXXXXXXXXXXXXXX.....	272
.....GAXXXXXXXXXXXXXX.....	44

#cshR-rluc-201

	Reads	
GUUAGAUGCAUCUAGCCACGGGCUCUGUGAAGCCACAGAUXXXXXXXXXXXXX.....	10	0.00
..UAGAUGCAUCUAGCCACGGXXXXX.....	117	0.02
..UAGAUGCAUCUAGCCACGGXXXXX.....	498920	96.91
..AGAUGCAUCUAGCCAXXXXXXXXXXXXXX.....	8239	1.60
...GAUGCAUCUAGCCACGXXXXXXXXXXXXX.....	4710	0.91
...AUGCAUCUAGCCACGGXXXXXXXXXXXXX.....	1181	0.23
...UGCAUCUAGCCACGGGXXXXXXXXXXXXX.....	1113	0.22
...GCAUCUAGCCACGGGCXXXXXXXXXXXXX.....	549	0.11
...CAUCUAGCCACGGGCXXXXXXXXXXXXX.....	654	
...AUCUAGCCACGGGCXXXXXXXXXXXXX.....	217	
...UCUAGCCACGGGCUCXXXXXXXXXX.....	16	
...CUAGCCACGGGCUCXXXXXXXXXX.....	18	
...UAGCCACGGGCUCUGXXXXX.....	2	
...AGCCACGGGCUCUGUG.....	3	
...GCCACGGGCUCUGUGA.....	2	
...CGGGCUCUGUGAAGCCAC.....	3	
...GCUCUGUGAAGCCACAGAU.....	8	
...CUCUGUGAAGCCACAGAXXXXXX.....	2	
...UCUGUGAAGCCACAGAU.....	57	
...CUGUGAAGCCACAGAUXXXXXXXXXXXXX.....	955	
...UGUGAAGCCACAGAUXXXXXXXXXXXXX.....	330	
...GUGAAGCCACAGAUXXXXXXXXXXXXX.....	36	
...UGAAGCCACAGAUXXXXXXXXXXXXX.....	5	
...GAAGCCACAGAUXXXXXXXXXXXXX.....	2	
...ACAGAUXXXXXXXXXXXXX.....	4	
...CAGAUXXXXXXXXXXXXX.....	2	
...AGAUGGAGXXXXXXXXXXXXX.....		

#shR-miR-150 WU3

Sequence	Reads	Count	Ratio
UUUGGUACAAGGGUUGGGAGAUGCUGUGCCUCAGACCUCUCCCAACCCUUGUACCAUUUUU	4	0.05	
UUUGGUACAAGGGUUGGGAGAUGX.....	38	0.47	
.UUGGUACAAGGGUUGGGAXXXXXX.....	139	1.73	
. .UGGUACAAGGGUUGGGXXXXXXX.....	7176	89.34	
. . .GUACAAGGGUUGGGAGAXXXXXXXXXX.....	494	6.15	
. . . .UACAAGGGUUGGGAGAXXXXXXXXXX.....	70	0.87	
.ACAAGGGUUGGGAGAUXXXXXXXXX.....	80	1.00	
.CAAGGGUUGGGAGAUXXXXXXXXX.....	31	0.39	
.AAGGGUUGGGAGAUGCXXXXXXXXX.....	32		
.AGGGUUGGGAGAUGCXXXXXXXXX.....	7		
.GGGUUGGGAGAUGCXXXXXXXXX.....	9		
.GGUUGGGAGAUGCUGUGXXXXXXXXX.....	14		
.GUUGGGAGAUGCUGUGCCXXXXXXXXX.....	25		
.UUGGGAGAUGCUGUGCXXXXXXXXX.....	57		
.UGGGAGAUGCUGUGCCUCXXXXXXXXX.....	26		
.GGGAGAUGCUGUGCCUCXXXXXXXXX.....	13		
.GGAGAUGCUGUGCCUCXXXXXXXXX.....	78		
.GAGAUGCUGUGCCUCXXXXXXXXX.....	171		
.AGAUGCUGUGCCUCAGXXXXXXXXX.....	110		
.GAUGCUGUGCCUCAGAXXXXXXXXXX.....	98		
.AUGCUGUGCCUCAGACXXXXXXXXX.....	118		
.UGCUGUGCCUCAGACCXXXXXXXXX.....	33		
.GCUGUGCCUCAGACCXXXXXXXXX.....	70		
.CUGUGCCUCAGACCUCXXXXXXXXX.....	68		
.UGUGCCUCAGACCUCXXXXXXXXX.....	92		
.GUGCCUCAGACCUCXXXXXXXXX.....	57		
.UGCCUCAGACCUCXXXXXXXXX.....	94		
.GCCUCAGACCUCXXXXXXXXX.....	50		
.CCUCAGACCUCXXXXXXXXXXXXX.....	116		
.CUCAGACCUCXXXXAAXXXXXXXXXX.....	1084		
.UCAGACCUCXXXXAACXXXXXXXXX.....	886		
.CAGACCUCXXXXAACXXXXXXXXX.....	1265		
.AGACCUCXXXXAACCCXXXXXXXXX.....	604		
.GACCUCXXXXAACCCUXXXXXXXXX.....	308		
.ACCUCXXXXAACCCUXXXXXXXXX.....	425		
.CCUCXXXXAACCCUUGXXXXXXXXX.....	797		
.CUCXXXXAACCCUUGUXXXXXXXXX.....	7655		
.UCXXXXAACCCUUGUAXXXXXXXXXX.....	60518		
.CUXXXXAACCCUUGUACXXXXXXXXX.....	1573		
.UCCCAACCCUUGUACXXXXXXXXX.....	764		
.CCCAACCCUUGUACAXXXX.....	329		
.CCAACCCUUGUACCAUXXX.....	256		
.CAACCCUUGUACCAUXXX.....	284		
.AACCCUUGUACCAUXXX.....	270		
.ACCCUUGUACCAUXXX.....	7		

#shR-miR-122

Sequence	Reads	Count	Ratio
UUAUGGAGUGUGACAAUGGUGUUUGUGUCUAAACUAUCAAACACCAUUGUCACACUCCAUUUUU	38	0.02	
UUAUGGAGUGUGACAAUGGUGUUX.....	28	0.01	
.UUAUGGAGUGUGACAAUGGUGUUX.....	187533	96.24	
. .AUGGAGUGUGACAAUXXXXXXXXX.....	2389	1.23	
. . .UGGAGUGUGACAAUGGXXXXXXXXX.....	4330	2.22	
. . . .GGAGUGUGACAAUGGXXXXXXXXX.....	328	0.17	
.GAGUGUGACAAUGGUGXXXXXXXXX.....	124	0.06	
.AGUGUGACAAUGGUGUXXXXXXXXX.....	98	0.05	
.GUGUGACAAUGGUGUUXXXXXXXXX.....	68		
.UGUGACAAUGGUGUUXXXXXXXXX.....	13		
.GUGACAAUGGUGUUXXXXX.....			

.....UGACAAUGGUGUUUGUGUCUAAAXXXX.....	4
.....GACAAUGGUGUUUGUGXXXXXXXXXXXX.....	10
.....ACAAUGGUGUUUGUGUCUAAAXXXX.....	8
.....CAAUGGUGUUUGUGUCXXXXXXXXXXXX.....	12
.....AAUGGUGUUUGUGUCXXXXXXXXXXXX.....	27
.....AUGGUGUUUGUGUCUAXXXXXXXXXXXXX.....	24
.....UGGUGUUUGUGUCUAAAXXXXXXXXXXXXX.....	31
.....GGUGUUUGUGUCUAAAXXXXXXXXXXXXX.....	34
.....GUGUUUGUGUCUAAACXXXXXXXXXXXX.....	110
.....UGUUUGUGUCUAAACUXXXXXXXXXXXX.....	71
.....GUUUGUGUCUAAACUAUXXXXXXXXXXXX.....	99
.....UUUGUGUCUAAACUAUXXXXXXXXXXXX.....	294
.....UUGUGUCUAAACUAUCXXXXXXXXXXXX.....	190
.....UGUGUCUAAACUAUCAXXXXXXXXXXXXX.....	1436
.....GUGUCUAAACUAUCAAXXXXXXXXXXXXX.....	208
.....UGUCUAAACUAUCAAXXXXXXXXXXXXX.....	201
.....GUCUAAACUAUCAAACXXXXXXXXXXXX.....	58
.....UCUAAACUAUCAAACAXXXXXXXXXXXXX.....	56
.....CUAAACUAUCAAACACXXXXXXXXXXXX.....	57
.....UAAACUAUCAAACACXXXXXXXXXXXX.....	39
.....AAACUAUCAAACACCAUXXXXXXXXXXXX.....	51
.....AACUAUCAAACACCAUXXXXXXXXXXXX.....	77
.....ACUAUCAAACACCAUXXXXXXXXXXXX.....	218
.....CUAUCAAACACCAUUGXXXXXXXXXXXX.....	3803
.....UAUCAAACACCAUUGUXXXXXXXXXXXX.....	20260
.....AUCAAACACCAUUGUCAXXXXXXXXXXXXX.....	6583
.....UCAAACACCAUUGUCACXXXXXXXXXXXX.....	1467
.....CAAACACCAUUGUCACXXXXXXXXXXXX.....	713
.....AAACACCAUUGUCACAXXXXXXXXXXXXX.....	3664
.....AACACCAUUGUCACACXXXXXXXXXXXX.....	105231
.....ACACCAUUGUCACACXXXXXXXXXXXX.....	159742
.....CACCAUUGUCACACUCXXXXXXXXXXXX.....	53028
.....ACCAUUGUCACACUCCXXXXXXXXXXXX.....	5426
.....CCAUUGUCACACUCCAXXXXX.....	950
.....CAUUGUCACACUCCAUXXXXX.....	2322
.....AUUGUCACACUCCAUXXXX.....	4508
.....UUGUCACACUCCAUUXXX.....	631
.....UGUCACACUCCAUUUXX.....	74
.....GUCACACUCCAUUUU.....	12

#shR-CCR5Chen5

	Reads	
UUUGGUGUAAACUGAGCUUGCUCUGUGAAGCCACAGAUGGGGAGCAAGCUCAGUUUACACCUUUUU		
UUUGGUGUAAACUGAGCUUGCUC.....	3	0.01
.UUGGUGUAAACUGAGCUUGCUX.....	23	0.04
.UGGUGUAAACUGAGCUUXXXXXX.....	506	0.88
..GGUGUAAACUGAGCUXXXXXXXXXXXX.....	56516	98.11
...GUGUAAACUGAGCUUGXXXXXXXXXXXX.....	129	0.22
....UGUAAACUGAGCUUGCXXXXXXXXXXXX.....	124	0.22
.....GUAAACUGAGCUUGCXXXXXXXXXXXX.....	221	0.38
.....UAAACUGAGCUUGCXXXXXXXXXXXX.....	82	0.14
.....AAACUGAGCUUGCUCXXXX.....	55	
.....AACUGAGCUUGCUCUXXXXXX.....	18	
.....ACUGAGCUUGCUCUXXXXXX.....	26	
.....CUGAGCUUGCUCUGUXXXXXX.....	63	
.....UGAGCUUGCUCUGUGXXXXXX.....	47	
.....GAGCUUGCUCUGUGAAXXX.....	8	
.....AGCUUGCUCUGUGAAGXXXX.....	44	
.....GCUUGCUCUGUGAAGCXXX.....	4	
.....CUUGCUCUGUGAAGCCACAGA.....	6	

.....UUGCUCUGUGAAGCCXXXXXXXXXX.....	11
.....UGCUCUGUGAAGCCACXXXXXXXXXX.....	4
.....GCUCUGUGAAGCCACAGAUGXX.....	4
.....CUCCUGUGAAGCCACAGXXXXXXXXXX.....	24
.....UCCUGUGAAGCCACAGXXXXXXXXXX.....	13
.....CCUGUGAAGCCACAGXXXXXXXXXXXXXX.....	35
.....CUGUGAAGCCACAGAUGXXXXXX.....	40
.....UGUGAAGCCACAGAUGGXXXXXXXXXX.....	941
.....GUGAAGCCACAGAUGGXXXXXXXXXX.....	46
.....UGAAGCCACAGAUGGGXXXXXXXXXX.....	22
.....GAAGCCACAGAUGGGGXXXX.....	14
.....AAGCCACAGAUGGGGAXXXXX.....	5
.....AGCCACAGAUGGGGAGCAA.....	2
.....CCACAGAUGGGGAGCAAGCXXXXXXXXXX.....	10
.....CACAGAUGGGGAGCAAGXXXXXXXXXXXXXX.....	25
.....ACAGAUGGGGAGCAAGCUCAGXXXXXXXXXX.....	12
.....CAGAUGGGGAGCAAGCXXXXXXXXXXXXXX.....	35
.....AGAUGGGGAGCAAGCUCAGXXXXXXXXXXXXXX.....	28
.....GAUGGGGAGCAAGCUCAGXXXXXXXXXXXXXX.....	49
.....AUGGGGAGCAAGCUCAXXXXXXXXXXXXXXX.....	306
.....UGGGGAGCAAGCUCAGXXXXXXXXXXXXXX.....	531
.....GGGGAGCAAGCUCAGXXXXXXXXXXXXXX.....	605
.....GGGAGCAAGCUCAGUXXXXXXXXXXXXXX.....	1575
.....GGAGCAAGCUCAGUUAXXXXXXXXXXXXXXX.....	194
.....GAGCAAGCUCAGUUAXXXXXXXXXXXXXXX.....	8471
.....AGCAAGCUCAGUUAXXXXXXXXXXXXXXX.....	224095
.....GCAAGCUCAGUUACAXXXXXXXXXXXXXXX.....	5223
.....CAAGCUCAGUUACACXXXXXXXXXXXXXX.....	1483
.....AAGCUCAGUUACACCXXXXXX.....	2509
.....AGCUCAGUUACACCUXXXX.....	524
.....GCUCAGUUACACCUUXXXX.....	367
.....CUCAGUUACACCUUUXX.....	504
.....UCAGUUACACCUUUUX.....	228
.....CAGUUACACCUUUUU.....	14

#sh1005-T

	Reads	
UGAGCAAGCUCAGUUACACCUUGUCCGACGGUGUAAACUGAGCUCUUCUUUUU	52	3.01
UGAGCAAGCUCAGUUACACXX.....	1407	81.52
.GAGCAAGCUCAGUUACXXXXXXXXXX.....	30	1.74
..AGCAAGCUCAGUUACACXXXXXXXXXX.....	207	11.99
...GCAAGCUCAGUUACAXXXXXXXXXXX.....	10	0.58
....CAAGCUCAGUUACACCXXXX.....	20	1.16
.....AAGCUCAGUUACACCXXXX.....	8	
.....AGCUCAGUUACACCUUGU.....	2	
.....CAGUUACACCUUGUCCG.....	3	
.....UUACACCUUGUCCGACGGUGU.....	7	
.....CCUUGUCCGACGGUGUAAACUGAGX.....	2	
.....CUUGUCCGACGGUGUAAACUG.....	4	
.....UUGUCCGACGGUGUAAAXXXXX.....	9	
.....UGUCCGACGGUGUAAACUGAGCXXXXXXXXXX.....	3	
.....GUCCGACGGUGUAAACUGAGCUCU.....	20	
.....UCCGACGGUGUAAACUGAGCUXXXXXXXXXXX.....	116	
.....CCGACGGUGUAAACUGXXXXXXXXXXXXXX.....	72	
.....CGACGGUGUAAACUGAXXXXXXXXXXXXXXX.....	92	
.....GACGGUGUAAACUGAGXXXXXXXXXXXXXX.....	264	
.....ACGGUGUAAACUGAGCUUXXXXXXXXXXXXXX.....	90	
.....CGGUGUAAACUGAGCUUGCXXXXXX.....	30	
.....GGUGUAAACUGAGCUUGCXXXXXX.....	53	
.....GUGUAAACUGAGCUUGCXXXXXX.....		

.....UGUAAACUGAGCUUGCXXXXXX	5298
.....GUAAACUGAGCUUGCUCXXXX	179
.....UAAACUGAGCUUGCUCUXXX.	27
.....AAACUGAGCUUGCUCUXXX.	26
.....AACUGAGCUUGCUCUXXX.	17
.....ACUGAGCUUGCUCUUU..	8
.....CUGAGCUUGCUCUUUU.	6

#sh1005-G

	Reads	
GGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	2800	88.36
GGAGCAAGCUCAGUUUXXXXXXXXXXXXX.....	214	6.75
.GAGCAAGCUCAGUUUACAXXXXXXXXXXX.....	63	1.99
..AGCAAGCUCAGUUUACAXXXXXXXXXXX.....	51	1.61
...GCAAGCUCAGUUUACACXXXX.....	13	0.41
....CAAGCUCAGUUUACACCCXXX.....	28	0.88
.....AAGCUCAGUUUACACCCXXX.....	16	
.....AGCUCAGUUUACACCUUGU.....	3	
.....GCUCAGUUUACACCUUGUCCGACG.....	5	
.....UCAGUUUACACCUUGUCCGXXXX.....	9	
.....UACACCUUGUCCGACGGUGU.....	2	
.....CACCUUGUCCGACGGUGUAAACUGAGC.....	4	
.....ACCUUGUCCGACGGUGUAAACUGAGCU.....	2	
.....CCUUGUCCGACGGUGUAAACUGAGCU.....	8	
.....UUGUCCGACGGUGUAAAXXXXXXXXXX.....	5	
.....UGUCCGACGGUGUAAAXXX.....	8	
.....GUCCGACGGUGUAAACUGAGCXXXXXXXX.....	22	
.....UCCGACGGUGUAAACUGAGCXXXXXXXX.....	74	
.....CCGACGGUGUAAACUGXXXXXXXXXXXXX.....	77	
.....CGACGGUGUAAACUGAXXXXXXXXXXXXXX.....	114	
.....GACGGUGUAAACUGAGXXXXXXXXXXXXX.....	230	
.....ACGGUGUAAACUGAGCXXXXXXXXXXXXX.....	105	
.....CGGUGUAAACUGAGCUUGCXXXXXX.....	36	
.....GGUGUAAACUGAGCUUGCXXXXXX.....	40	
.....GUGUAAACUGAGCUUGCUCXXXXX.....	6107	
.....UGUAAACUGAGCUUGCXXXXXX.....	209	
.....GUAAACUGAGCUUGCXXXXXX.....	27	
.....UAAACUGAGCUUGCUCXXXXX.....	50	
.....AAACUGAGCUUGCUCUXXX.....	20	
.....AACUGAGCUUGCUCUXXX.....	14	
.....ACUGAGCUUGCUCUXXX.....	33	
.....CUGAGCUUGCUCUXXX.....	4	
.....UGAGCUUGCUCUXXX.....		

#sh1005-C

	Reads	
CGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	272	13.17
CGAGCAAGCUCAGUUUAXXXXXX.....	1644	79.61
.GAGCAAGCUCAGUUUAXXXXXXXXXXXXXX.....	37	1.79
..AGCAAGCUCAGUUUACAXXXXXX.....	73	3.54
...GCAAGCUCAGUUUACACXXXXXX.....	10	0.48
....CAAGCUCAGUUUACACCC.....	29	1.40
.....AAGCUCAGUUUACACCCXXX.....	4	
.....AGCUCAGUUUACACCUXXX.....	2	
.....GCUCAGUUUACACCUUGUC.....	3	
.....UCAGUUUACACCUUGUCCGACGG.....	2	
.....UACACCUUGUCCGACGGUGU.....	2	
.....ACCUUGUCCGACGGUGUAAACUGAGC.....	2	
.....CUUGUCCGACGGUGUA.....	2	
.....UUGUCCGACGGUGUAAAXXXXXXXXXX.....	6	
.....UGUCCGACGGUGUAAACUGA.....	2	

.....GUCCGACGGUGUAAACUGAGCUUGXXXX....	5
.....UCCGACGGUGUAAACUGAXXXXXXXXXXX....	24
.....CCGACGGUGUAAACUGXXXXXXXXXXXXXX....	88
.....CGACGGUGUAAACUGAXXXXXXXXXXXXXX....	51
.....GACGGUGUAAACUGAGCUUGCUCXXXX....	55
.....ACGGUGUAAACUGAGCXXXXXXXXXXXXXX....	229
.....CGGUGUAAACUGAGCUUGCUCXXXX....	48
.....GGUGUAAACUGAGCUUGCUCXXXX....	32
.....GUGUAAACUGAGCUUGCXXXX....	79
.....UGUAAACUGAGCUUGCXXXXXXXX....	7249
.....GUAAACUGAGCUUGCUCXXXX....	196
.....UAAACUGAGCUUGCUCXXXX....	36
.....AAACUGAGCUUGCUCXXXX....	41
.....AACUGAGCUUGCUCUUX....	19
.....ACUGAGCUUGCUCUUU....	10
.....CUGAGCUUGCUCUUUU....	2

#sh1005-TT

UUGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
UUGAGCAAGCUCAGUUUACACC.....	7	0.59
.UGAGCAAGCUCAGUUUACACXXX.....	44	3.68
..GAGCAAGCUCAGUUUAXXXXXXXXXXXXXX.....	1097	91.72
...AGCAAGCUCAGUUUACACCXXXX.....	16	1.34
....GCAAGCUCAGUUUACAXXXXXXXXXXXXXX.....	32	2.68
.....AAGCUCAGUUUACACCX.....	17	
.....AGCUCAGUUUACACCU.....	3	
.....UACACCUUGUCCGACGGUGU.....	3	
.....CCUUGUCCGACGGUGUAAACXXXX.....	4	
.....CUUGUCCGACGGUGUAAA.....	3	
.....UUGUCCGACGGUGUAAACUGAGXXXXX.....	6	
.....UGUCCGACGGUGUAAACUGAGCUUGCUC.....	2	
.....GUCCGACGGUGUAAACUGAGCUUGCUCU.....	2	
.....UCCGACGGUGUAAACUGAGCXXXXXXXXXXXXX.....	4	
.....CCGACGGUGUAAACUGXXXXXXXXXXXXXX.....	59	
.....CGACGGUGUAAACUGAGXXXXXXXXXXXXXX.....	28	
.....GACGGUGUAAACUGAGCUUGCXXXXXXXXXXXXX.....	50	
.....ACGGUGUAAACUGAGCUUGCXXXXXXXXXXXXX.....	127	
.....CGGUGUAAACUGAGCUUGCUCXX....	33	
.....GGUGUAAACUGAGCUUGCUCUXX....	18	
.....GUGUAAACUGAGCUUGCUCUXX....	45	
.....UGUAAACUGAGCUUGCXXXXXXXXXXXXX.....	6270	
.....GUAAACUGAGCUUGCUCXXXXXXXXXXXXX.....	156	
.....UAAACUGAGCUUGCUCUXXXX....	21	
.....AAACUGAGCUUGCUCUXX....	16	
.....AACUGAGCUUGCUCUUU....	6	
.....ACUGAGCUUGCUCUUU....	9	
.....CUGAGCUUGCUCUUUU....	5	

#sh1005-TTT

UUUGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
.UUGAGCAAGCUCAGUUUACACC.....	19	1.89
..UGAGCAAGCUCAGUUUACACXX.....	91	9.05
...GAGCAAGCUCAGUUUAXXXXXXXXXXXXXX.....	848	84.29
....AGCAAGCUCAGUUUACACC.....	5	0.50
.....GCAAGCUCAGUUUACACXXXXXXXXXXXXX.....	43	4.27
.....CAAGCUCAGUUUACACCX.....	5	
.....AAGCUCAGUUUACACCX.....	7	
.....GUCCGACGGUGUAAACUGAGCUUGCUCU.....	2	
.....UCCGACGGUGUAAACUGAGCUUGCUCU.....	2	
.....CCGACGGUGUAAACUGAGXXXXXXXXXXXXX.....	18	

.....CGACGGUGUAAACUGAGXXXXXXXXXX..	7
.....GACGGUGUAAACUGAGCUUGCUCUXXX.	19
.....ACGGUGUAAACUGAGCUUGCUCUXXX..	24
.....CGGUGUAAACUGAGCUUGCUCUXXX..	16
.....GGUGUAAACUGAGCUUGCUCUXXX..	13
.....GUGUAAACUGAGCUUGCUCUUX..	40
.....UGUAAACUGAGCUUGCXXXXXXXXXX	3347
.....GUAAACUGAGCUUGCUCUXXX..	102
.....UAAACUGAGCUUGCUCUUUX..	17
.....AAACUGAGCUUGCUCUXXX..	33
.....AACUGAGCUUGCUCUUU..	5
.....ACUGAGCUUGCUCUUU..	6

#sh1005-TTTT

UUUUGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
UUUUGAGCAAGCUCAGUUUACAC.....	2	0.38
.UUUGAGCAAGCUCAGUUUACACC.....	5	0.94
. .UUGAGCAAGCUCAGUUUACACX.....	8	1.51
. . .UGAGCAAGCUCAGUUUACACXX.....	17	3.20
. . . .GAGCAAGCUCAGUUUACXXXXXXXXX.....	496	93.41
.AGCAAGCUCAGUUUACACC.....	3	0.56
.GCAAGCUCAGUUUACACC.....	11	
.CAAGCUCAGUUUACACCX.....	11	
.AAGCUCAGUUUACACC.....	7	
.UGUCCGACGGUGUAAACUGAGCUUGC.....	2	
.CCGACGGUGUAAACUGXXXXXXXXXXXXX.....	7	
.CGGUGUAAACUGAGCUUGCUC.....	3	
.GGUGUAAACUGAGCUUGCUCUUUU.....	2	
.GUGUAAACUGAGCUUGCUCUUX..	32	
.UGUAAACUGAGCUUGCXXXXXXXXXX	2873	
.GUAAACUGAGCUUGCUCUXXX..	96	
.UAAACUGAGCUUGCUCUUX..	15	
.AAACUGAGCUUGCUCUUX..	14	
.AACUGAGCUUGCUCUUU..	7	
.ACUGAGCUUGCUCUUU..	10	
.CUGAGCUUGCUCUUUU..	4	

#sh1005-TA

UAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
UAGAGCAAGCUCAGUUUACACX.....	40	0.35
.AGAGCAAGCUCAGUUUXXXXXXXXXXXXX.....	10952	96.96
. .GAGCAAGCUCAGUUUACXXXXXXXXX.....	184	1.63
. . .AGCAAGCUCAGUUUACACX.....	50	0.44
. . . .GCAAGCUCAGUUUACACXXXXX.....	43	0.38
.CAAGCUCAGUUUACACXXXXX.....	26	0.23
.AAGCUCAGUUUACACCXXXXX.....	46	
.AGCUCAGUUUACACCUUGU.....	3	
.GCUCAGUUUACACCUUGUC.....	4	
.UACACCUUGUCCGACGGUGU.....	2	
.ACACCUUGUCCGACGGU.....	2	
.CACCUUGUCCGACGGUGUAAACUGAGC.....	2	
.CCUUGUCCGACGGUGUAAACUGAGCUU.....	2	
.CUUGUCCGACGGUGUAAACUGA.....	2	
.UUGUCCGACGGUGUAAACXXXXXXXXXX.....	7	
.UGUCCGACGGUGUAAACUGAGCUUGCUX.....	9	
.GUCCGACGGUGUAAACUGAGCUXXXXXXXXX.....	4	
.UCCGACGGUGUAAACUGXXXXXXXXXXXXX.....	7	
.CCGACGGUGUAAACUGXXXXXXXXXXXXX.....	74	
.CGACGGUGUAAACUGXXXXXXXXXXXXX.....	89	

.....GACGGUGUAAACUGAGCUUGCUCXXXX.	80
.....ACGGUGUAAACUGAGCUUGCXXXXXX.	97
.....CGGUGUAAACUGAGCUUGCXXXXXX.	46
.....GGUGUAAACUGAGCUUGCUCXXXX.	27
.....GUGUAAACUGAGCUUGCXXXXXX.	603
.....UGUAAACUGAGCUUGCXXXXXX.	15784
.....GUAAACUGAGCUUGCUCXXXX.	252
.....UAAACUGAGCUUGCUCUUXX.	38
.....AAACUGAGCUUGCUCUXXX.	37
.....AACUGAGCUUGCUCUUXX.	17
.....ACUGAGCUUGCUCUUU.	3

#sh1005-TTA

UUAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
.UAGAGCAAGCUCAGUUUACACC.....	9	0.15
.AGAGCAAGCUCAGUUUXXXXXXXXXX.	5767	97.37
.GAGCAAGCUCAGUUUACACXX.....	80	1.35
.AGCAAGCUCAGUUUACACCX.....	51	0.86
.GCAAGCUCAGUUUACACX.....	16	0.27
.CAAGCUCAGUUUACACXXXX.	12	
.AAGCUCAGUUUACACCX.....	27	
.AGCUCAGUUUACACCUUGU.....	2	
.UACACCUUGUCCGACGGUGU.....	3	
.CUUGUCCGACGGUGUAAA.....	2	
.UUGUCCGACGGUGUAAAXXXXX.	5	
.UCCGACGGUGUAAACUGAGCUUGCUCXXX.	6	
.CCGACGGUGUAAACUGXXXXXXX.	34	
.CGACGGUGUAAACUGAGXXXXXXX.	52	
.GACGGUGUAAACUGAGCUUGCUCXXXX.	60	
.ACGGUGUAAACUGAGCUUGCUCXXXX.	52	
.CGGUGUAAACUGAGCUUGCUCUXX.	16	
.GGUGUAAACUGAGCUUGCUCUXX.	10	
.GUGUAAACUGAGCUUGCUCXXXX.	281	
.UGUAAACUGAGCUUGCUCXXXX.	7264	
.GUAAACUGAGCUUGCUCXXXX.	151	
.UAAACUGAGCUUGCUCUUXX.	30	
.AAACUGAGCUUGCUCUXXX.	38	
.AACUGAGCUUGCUCUUU.	4	
.ACUGAGCUUGCUCUUU.	5	
.CUGAGCUUGCUCUUU.	8	

#sh1005-TTTA

UUUAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
.UAGAGCAAGCUCAGUUUACACC.....	28	0.71
.AGAGCAAGCUCAGUUUXXXXXXXXXX.	3811	96.97
.GAGCAAGCUCAGUUUACACXX.....	56	1.42
.AGCAAGCUCAGUUUACACCX.....	35	0.89
.GCAAGCUCAGUUUACACXX.....	22	
.CAAGCUCAGUUUACACXXXX.	9	
.AAGCUCAGUUUACACXXXX.	30	
.UGUCCGACGGUGUAAAC.....	2	
.UCCGACGGUGUAAACUGAGXXXXXXX.	4	
.CCGACGGUGUAAACUGAGXXXXXXX.	7	
.CGACGGUGUAAACUGAGXXXXXXX.	13	
.GACGGUGUAAACUGAGCUUGCUCXXX.	18	
.ACGGUGUAAACUGAGCUUGCUCXXX.	12	
.CGGUGUAAACUGAGCUUGCUCXXX.	7	
.GGUGUAAACUGAGCUUGCUCUX.	5	
.GUGUAAACUGAGCUUGCUCXXXX.	322	

.....UGUAAACUGAGCUUGCXXXXXX	6175
.....GUAACUGAGCUUGCXXXX	162
.....UAAACUGAGCUUGCUCUUXX	36
.....AAACUGAGCUUGCUCUXX.	30
.....AACUGAGCUUGCUCUXX.	16
.....ACUGAGCUUGCUCUUXX.	17
.....CUGAGCUUGCUCUUUU.	2
.....UGAGCUUGCUCUUUUU	3

#sh1005-TC

UCGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
UCGAGCAAGCUCAGUUUXXXXX.....	252	9.62
.CGAGCAAGCUCAGUUUACXXXXXX.....	408	15.58
..GAGCAAGCUCAGUUUAXXXXXXXXXXX.....	1883	71.90
...AGCAAGCUCAGUUUACACCX.....	16	0.61
....GCAAGCUCAGUUUACACXXXX.....	52	1.99
.....CAAGCUCAGUUUACACXXXX.....	8	0.31
.....AAGCUCAGUUUACACXXXX.....	33	
.....AGCUCAGUUUACACCU.....	3	
.....CUCAGUUUACACCUUG.....	2	
.....UCAGUUUACACCUUGUCCGACGG.....	3	
.....UUACACCUUGUCCGACGGUGUAAACU.....	2	
.....ACCUUGUCCGACGGUGUAAACUGAXXX.....	4	
.....CCUUGUCCGACGGUGUAAAXXXXXXX.....	9	
.....CUUGUCCGACGGUGUAAACUG.....	3	
.....UUGUCCGACGGUGUAAACUGXXXXXX.....	4	
.....UGUCCGACGGUGUAAACUGAGCUUGCXX.....	8	
.....GUCCGACGGUGUAAACUGAGCUUGCUCX.....	5	
.....UCCGACGGUGUAAACUGXXXXXXXXXXXX.....	31	
.....CCGACGGUGUAAACUGXXXXXXXXXXXX.....	116	
.....CGACGGUGUAAACUGAXXXXXXXXXXXXX.....	48	
.....GACGGUGUAAACUGAGXXXXXXXXXXXX.....	81	
.....ACGGUGUAAACUGAGCUUGCXXXXXX.....	173	
.....CGGUGUAAACUGAGCUUGCXXXXXX.....	47	
.....GGUGUAAACUGAGCUUGCXXXXXX.....	44	
.....GUGUAAACUGAGCUUGCXXXXXX.....	87	
.....UGUAAACUGAGCUUGCXXXXXX	7923	
.....GUAACUGAGCUUGCUCXXXX	193	
.....UAAACUGAGCUUGCUCXXXX.	42	
.....AAACUGAGCUUGCUCXXXX.	63	
.....AACUGAGCUUGCUCUXX.	21	
.....ACUGAGCUUGCUCUUXX.	11	
.....CUGAGCUUGCUCUUUU.	3	

#sh1005-TTC

UUCGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
UUCGAGCAAGCUCAGUUUACACX.....	13	0.75
.UCGAGCAAGCUCAGUUUACAXXX.....	473	27.15
..CGAGCAAGCUCAGUUUACAXXXXXXX.....	473	27.15
...GAGCAAGCUCAGUUUAXXXXXXXXXXX.....	741	42.54
....AGCAAGCUCAGUUUACACC.....	6	0.34
.....GCAAGCUCAGUUUACACXXXX.....	36	2.07
.....CAAGCUCAGUUUACACC.....	6	0.34
.....AAGCUCAGUUUACACC.....	13	0.75
.....UUGUCCGACGGUGUAAACU.....	2	
.....UGUCCGACGGUGUAAACUGAG.....	2	
.....GUCCGACGGUGUAAACUGAGC.....	2	
.....UCCGACGGUGUAAACUGAGCUUGCUCUU.....	10	
.....CCGACGGUGUAAACUGAGXXXXXXXXXXXX.....	19	

.....CGACGGUGUAAACUGAXXXXXXXXXXX..	18
.....GACGGUGUAAACUGAGCUUGCXXXXX..	23
.....ACGGUGUAAACUGAGCUUGCXXXXX..	43
.....CGGUGUAAACUGAGCUUGCXXXXX..	12
.....GGUGUAAACUGAGCUUGCUCXXXXX..	15
.....GUGUAAACUGAGCUUGCUCXXXX..	62
.....UGUAAACUGAGCUUGCXXXXXXXXXX	4297
.....GUAAACUGAGCUUGCUCXXXX..	111
.....UAAACUGAGCUUGCUCXXXX..	29
.....AAACUGAGCUUGCUCUXXX..	14
.....AACUGAGCUUGCUCUUX..	7
.....ACUGAGCUUGCUCUUU..	4
.....CUGAGCUUGCUCUUUU..	2

#sh1005-CT

CUGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
CUGAGCAAGCUCAGUUUACXXX.....	771	23.97
.UGAGCAAGCUCAGUUUACXXXXXXXXXX.....	298	9.26
.GAGCAAGCUCAGUUUAXXXXXXXXXXXXXX.....	2049	63.69
..AGCAAGCUCAGUUUACACXX.....	27	0.84
...GCAAGCUCAGUUUACACXXXXX.....	60	1.87
....CAAGCUCAGUUUACACXX.....	12	0.37
.....AAGCUCAGUUUACACX.....	31	
.....AGCUCAGUUUACACCUUGU.....	2	
.....UUACACCUUGUCCGACGGUGUA.....	2	
.....UACACCUUGUCCGACGGUGU.....	4	
.....ACCUUGUCCGACGGUGUAAACUGAGXXX.....	5	
.....CUUGUCCGACGGUGUAA.....	2	
.....UUGUCCGACGGUGUAAXXX.....	5	
.....UGUCCGACGGUGUAAACXXXXXXXXXX.....	12	
.....GUCCGACGGUGUAAACUGAGCUUGCXXX.....	9	
.....UCCGACGGUGUAAACUGAGCXXXXXXXXXX.....	47	
.....CCGACGGUGUAAACUGXXXXXXXXXXXXX.....	96	
.....CGACGGUGUAAACUGAXXXXXXXXXXXXXX.....	87	
.....GACGGUGUAAACUGAGCXXXXXXXXXXXXX.....	120	
.....ACGGUGUAAACUGAGCXXXXXXXXXXXXX.....	209	
.....CGGUGUAAACUGAGCUUGCXXXXX.....	62	
.....GGUGUAAACUGAGCUUGCUCXXXX..	33	
.....GUGUAAACUGAGCUUGCUCXXXX..	67	
.....UGUAAACUGAGCUUGCXXXXXXXXXX	6788	
.....GUAAACUGAGCUUGCUCXXXX..	194	
.....UAAACUGAGCUUGCUCXXXX..	27	
.....AAACUGAGCUUGCUCUXXX..	44	
.....AACUGAGCUUGCUCUUX..	13	
.....ACUGAGCUUGCUCUUU..	7	

#sh1005-TG

UGGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
UGGAGCAAGCUCAGUUUACXXX.....	138	5.50
.GGAGCAAGCUCAGUUUXXXXXXXXXXXXX.....	2184	87.01
.GAGCAAGCUCAGUUUACACXX.....	114	4.54
..AGCAAGCUCAGUUUACACC.....	9	0.36
...GCAAGCUCAGUUUACACXXXXX.....	47	1.87
....CAAGCUCAGUUUACACXXXXX.....	18	0.72
.....AAGCUCAGUUUACACXXXXX.....	24	
.....GCUCAGUUUACACCUUGUCCGA.....	2	
.....CUCAGUUUACACCUUGU.....	2	
.....UACACCUUGUCCGACGGUGU.....	2	
.....CUUGUCCGACGGUGUAAACUG.....	3	

.....UUGUCCGACGGUGUAAACUG.....	3
.....UGUCCGACGGUGUAAACUGAGCUUGCUC.....	2
.....GUCCGACGGUGUAAACUGXXX.....	4
.....UCCGACGGUGUAAACUGAGCUUGCUCX.....	4
.....CCGACGGUGUAAACUGXXXXXXXXXXXXX.....	60
.....CGACGGUGUAAACUGAXXXXXXXXXXXXXX.....	40
.....GACGGUGUAAACUGAGCUUXXXXXXXXXX.....	51
.....ACGGUGUAAACUGAGCUXXXXXXXXXX.....	124
.....CGGUGUAAACUGAGCUUGCXXXXXXXXX.....	38
.....GGUGUAAACUGAGCUUGCUCUXXX.....	32
.....GUGUAAACUGAGCUUGCUCUUX.....	14
.....UGUAAACUGAGCUUGCXXXXXXXXX.....	5297
.....GUAAACUGAGCUUGCXXXXXXXXX.....	155
.....UAAACUGAGCUUGCUCUXXXX.....	33
.....AAACUGAGCUUGCUCUXXX.....	33
.....AACUGAGCUUGCUCUUX.....	8
.....ACUGAGCUUGCUCUUX.....	11
.....CUGAGCUUGCUCUUUU.....	18
.....UGAGCUUGCUCUUUU.....	2

#sh1005-CA

CAGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
CAGAGCAAGCUCAGUUUAXXXXXX.....	342	3.40
.AGAGCAAGCUCAGUUUXXXXXXXXXXXXX.....	9366	93.08
..GAGCAAGCUCAGUUUACAXXXXXXX.....	196	1.95
...AGCAAGCUCAGUUUACAXX.....	74	0.74
....GCAAGCUCAGUUUACACXXXXX.....	67	0.67
.....CAAGCUCAGUUUACACC.....	17	0.17
.....AAGCUCAGUUUACACCXXXX.....	47	
.....AGCUCAGUUUACACCU.....	2	
.....GCUCAGUUUACACCUUGUC.....	2	
.....UUACACCUUGUCCGACG.....	3	
.....UACACCUUGUCCGACGGUGU.....	2	
.....ACCUUGUCCGACGGUGUAAACUGAGCU.....	3	
.....CUUGUCCGACGGUGUAAACUG.....	3	
.....UUGUCCGACGGUGUAAACUGXXXXXXXXX.....	9	
.....UGUCCGACGGUGUAAACUGAGCUUG.....	2	
.....GUCCGACGGUGUAAACUGAGCXXXXXXXXX.....	16	
.....UCCGACGGUGUAAACUGAGCUUGCUCXX.....	5	
.....CCGACGGUGUAAACUGXXXXXXXXXXXXX.....	77	
.....CGACGGUGUAAACUGAXXXXXXXXXXXXXX.....	48	
.....GACGGUGUAAACUGAGCUXXXXXXXXXXXXX.....	68	
.....ACGGUGUAAACUGAGCUUGXXXXXXXXXX.....	110	
.....CGGUGUAAACUGAGCUUGXXXXXXXXXX.....	43	
.....GGUGUAAACUGAGCUUGCUCUXXX.....	50	
.....GUGUAAACUGAGCUUGCXXXXXXXXXX.....	334	
.....UGUAAACUGAGCUUGCXXXXXXXXXX.....	8442	
.....GUAAACUGAGCUUGCUCXXXXXXXXX.....	241	
.....UAAACUGAGCUUGCUCUUX.....	46	
.....AAACUGAGCUUGCUCUUX.....	49	
.....AACUGAGCUUGCUCUU.....	15	
.....ACUGAGCUUGCUCUU.....	13	
.....CUGAGCUUGCUCUUUX.....	11	
.....UGAGCUUGCUCUUUU.....	3	

#sh1005-CG

CGGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
CGGAGCAAGCUCAGUUUXXXXXXXXX.....	745	17.71
.GGAGCAAGCUCAGUUUXXXXXXXXXXXXX.....	3268	77.70

..GAGCAAGCUCAGUUUACACXXXX.	109	2.59
..AGCAAGCUCAGUUUACACCCX.	19	0.45
...GCAAGCUCAGUUUACACX.	54	1.28
....CAAGCUCAGUUUACACCCX.	11	0.26
.....AAGCUCAGUUUACACCCXX.	24	0.57
.....AGCUCAGUUUACACCUUG.	2	0.05
.....UCAGUUUACACCUUGUCCGACGG.	2	
.....CACCUUGUCCGACGGUGUA.	3	
.....ACCUUGUCCGACGGUGUAAAXX.	5	
.....CCUUGUCCGACGGUGUAAACUG.	2	
.....CUUGUCCGACGGUGUAAACUGAGCUUXX.	6	
.....UUGUCCGACGGUGUAAACUGXXXXXX.	7	
.....UGUCCGACGGUGUAAAC.	3	
.....GUCCGACGGUGUAAACUGAGC.	3	
.....UCCGACGGUGUAAACUGXXXXXXXXXX.	18	
.....CCGACGGUGUAAACUGXXXXXXXXXX.	79	
.....CGACGGUGUAAACUGAXXXXXXXXXXX.	75	
.....GACGGUGUAAACUGAGCXXXXXXXXXX.	87	
.....ACGGUGUAAACUGAGCUUGCXXXXXX.	247	
.....CGGUGUAAACUGAGCUUGCXXXXXX.	47	
.....GGUGUAAACUGAGCUUGCXXXXXX.	33	
.....GUGUAAACUGAGCUUGCXXXXXX.	48	
.....UGUAAACUGAGCUUGCXXXXXX.	7865	
.....GUAAACUGAGCUUGCXXXXXX.	250	
.....UAAACUGAGCUUGCUCXXXX.	41	
.....AAACUGAGCUUGCUCXXXX.	46	
.....AACUGAGCUUGCUCUXX.	26	
.....ACUGAGCUUGCUCUUUX.	12	
.....CUGAGCUUGCUCUUUU.	19	
.....UGAGCUUGCUCUUUUU.	2	

#sh1005-CC

CCGAGCAAGCUCAGUUUACACCUUGUCCGACGGUGUAAACUGAGCUUGCUCUUUUU	Reads	
CCGAGCAAGCUCAGUUUXXXXXXXX.	787	20.06
.CGAGCAAGCUCAGUUUACXXXXXXXX.	522	13.14
..GAGCAAGCUCAGUUUAXXXXXXXXX.	2418	60.86
...AGCAAGCUCAGUUUACACXX.	33	0.83
....GCAAGCUCAGUUUACACXXXX.	147	3.70
.....CAAGCUCAGUUUACACC.	17	0.43
.....AAGCUCAGUUUACACCCX.	30	0.76
.....AGCUCAGUUUACACCUXXX.	10	0.25
.....CUCAGUUUACACCUUGUCC.	2	
.....UCAGUUUACACCUUGUCCGAC.	2	
.....CAGUUUACACCUUGUCCGACGG.	2	
.....GUUUACACCUUGUCCGACGG.	3	
.....UACACCUUGUCCGACGGUGU.	6	
.....UUGUCCGACGGUGUAAAXXXXXXXXX.	9	
.....UGUCCGACGGUGUAAACU.	3	
.....GUCCGACGGUGUAAACUGAGCUUGCUCU.	2	
.....UCCGACGGUGUAAACUGXXXXXXXXXX.	21	
.....CCGACGGUGUAAACUGXXXXXXXXXX.	77	
.....CGACGGUGUAAACUGAXXXXXXXXXXX.	49	
.....GACGGUGUAAACUGAGCUUGCXXXX.	99	
.....ACGGUGUAAACUGAGCUUGCXXXX.	144	
.....CGGUGUAAACUGAGCUUGCUCXXXX.	33	
.....GGUGUAAACUGAGCUUGCUCXXXX.	44	
.....GUGUAAACUGAGCUUGCUCXXXX.	100	
.....UGUAAACUGAGCUUGCXXXXXX.	5780	
.....GUAAACUGAGCUUGCUCXXXX.	193	

.....UAAACUGAGCUUGCUCUXXX.	47
.....AAACUGAGCUUGCUCUXX.	37
.....AACUGAGCUUGCUCUUXX.	19
.....ACUGAGCUUGCUCUUU.	9
.....CUGAGCUUGCUCUUUU.	2

#shR1005-GG

uuguggGAGCAAGCUCAGUUUACACCUUguccgacggUGUAAACUGAGCUUGCUCUUuu	Reads	
..UGGGAGCAAGCUCAGUUUACACC.....	4	0.01
....GGGAGCAAGCUCAGUUXXXXXXXXXXXXX.....	15271	52.91
.....GGAGCAAGCUCAGUUUXXXXXXXXXXXXX.....	4458	15.45
.....GAGCAAGCUCAGUUUAXXXXXXXXXXXXXX.....	5548	19.22
.....AGCAAGCUCAGUUUACXXXXXXXXXXXXX.....	2705	9.37
.....GCAAGCUCAGUUUACAXXXXXXXXXXXXXX.....	338	1.17
.....CAAGCUCAGUUUACACXXXXXXXXXXXXX.....	220	0.76
.....AAGCUCAGUUUACACCXXXXXXXXXXXXX.....	319	1.11
.....AGCUCAGUUUACACCUXXXXXXXXXXXXX.....	238	
.....GCUCAGUUUACACCUUXXXXXXXXXXXXX.....	51	
.....CUCAGUUUACACCUUGXXXXXXXXXXXXX.....	142	
.....UCAGUUUACACCUUGUXXXXXXXXXXXXX.....	40	
.....CAGUUUACACCUUGUCCXXXXXXXXXXXXX.....	80	
.....AGUUUACACCUUGUCCXXXXXXXXXXXXX.....	47	
.....GUUUACACCUUGUCCGXXXXXXXXXXXXX.....	51	
.....UUUACACCUUGUCCGAXXXXXXXXXXXXXX.....	75	
.....UUACACCUUGUCCGACXXXXXXXXXXXXX.....	76	
.....UACACCUUGUCCGACGXXXXXXXXXXXXX.....	95	
.....ACACCUUGUCCGACGGXXXXXXXXXXXXX.....	39	
.....CACCUUGUCCGACGGUXXXXXXXXXXXXX.....	212	
.....ACCUUGUCCGACGGUGXXXXXXXXXXXXX.....	378	
.....CCUUGUCCGACGGUGUXXXXXXXXXXXXX.....	530	
.....CUUGUCCGACGGUGUAXXXXXXXXXXXXX.....	846	
.....UUGUCCGACGGUGUAAXXXXXXXXXXXXXX.....	273	
.....UGUCCGACGGUGUAAAXXXXXXXXXXXXXX.....	234	
.....GUCCGACGGUGUAAACXXXXXXXXXXXXX.....	107	
.....UCCGACGGUGUAAACUXXXXXXXXXXXXX.....	83	
.....CCGACGGUGUAAACUGXXXXXXXXXXXXX.....	880	
.....CGACGGUGUAAACUGAXXXXXXXXXXXXXX.....	1228	
.....GACGGUGUAAACUGAGXXXXXXXXXXXXX.....	1675	
.....ACGGUGUAAACUGAGCXXXXXXXXXXXXX.....	1690	
.....CGGUGUAAACUGAGCUXXXXXXXXXXXXX.....	1048	
.....GGUGUAAACUGAGCUUXXXXXXXXXXXXX.....	1044	
.....GUGUAAACUGAGCUUGXXXXXXXXXXXXX.....	690	
.....UGUAAACUGAGCUUGCXXXXXXXXXXXXX.....	35243	
.....GUAAACUGAGCUUGCXXXXXXXXXXXXX.....	2037	
.....UAAACUGAGCUUGCUCXXXXXXXXXXXXX.....	491	
.....AAACUGAGCUUGCUCUXXXXXXXXXXXXX.....	433	
.....AACUGAGCUUGCUCUUXXXX.....	337	
.....ACUGAGCUUGCUCUUUXX.....	273	
.....CUGAGCUUGCUCUUUU.....	329	
.....UGAGCUUGCUCUUUU.....	53	

#shR1005-GGG

uuggggGAGCAAGCUCAGUUUACACCUUguccgacggUGUAAACUGAGCUUGCUCUUuu	Reads	
..GGGGAGCAAGCUCAGUUUACXXXX.....	24	0.07
....GGGAGCAAGCUCAGUXXXXXXXXXXXXX.....	340	0.99
.....GGGAGCAAGCUCAGUUUXXXXXXXXXXXXX.....	8806	25.77
.....GGAGCAAGCUCAGUUUXXXXXXXXXXXXX.....	6109	17.88
.....GAGCAAGCUCAGUUUAXXXXXXXXXXXXXX.....	14926	43.68
.....AGCAAGCUCAGUUUACXXXXXXXXXXXXX.....	2821	8.26

.....GCAAGCUCAGUUUACAXXXXXXXXXXXXXX.....	631	1.85
.....CAAGCUCAGUUUACACXXXXXXXXXXXXX.....	222	0.65
.....AAGCUCAGUUUACACXXXXXXXXXXXXX.....	294	0.86
.....AGCUCAGUUUACACCUXXXXXXXXXXXXX.....	214	
.....GCUCAGUUUACACCUUXXXXXXXXXXXXX.....	78	
.....CUCAGUUUACACCUUGXXXXXXXXXXXXX.....	143	
.....UCAGUUUACACCUUGUCCXXXXXXXXXXXXX.....	35	
.....CAGUUUACACCUUGUCCXXXXXXXXXXXXX.....	65	
.....AGUUUACACCUUGUCCXXXXXXXXXXXXX.....	40	
.....GUUUACACCUUGUCCGACXXXXXXXXXXXXX.....	52	
.....UUUACACCUUGUCCGACGXXXXXXXXXXXXX.....	69	
.....UUACACCUUGUCCGACGXXXXXXXXXXXXX.....	86	
.....UACACCUUGUCCGACGXXXXXXXXXXXXX.....	82	
.....ACACCUUGUCCGACGGXXXXXXXXXXXXX.....	46	
.....CACCUUGUCCGACGGUXXXXXXXXXXXXX.....	238	
.....ACCUUGUCCGACGGUGXXXXXXXXXXXXX.....	368	
.....CCUUGUCCGACGGUGUXXXXXXXXXXXXX.....	506	
.....CUUGUCCGACGGUGUAXXXXXXXXXXXXX.....	887	
.....UUGUCCGACGGUGUAAXXXXXXXXXXXXXX.....	327	
.....UGUCCGACGGUGUAAAXXXXXXXXXXXXXX.....	253	
.....GUCCGACGGUGUAAACXXXXXXXXXXXXX.....	77	
.....UCCGACGGUGUAAACUXXXXXXXXXXXXX.....	114	
.....CCGACGGUGUAAACUGXXXXXXXXXXXXX.....	847	
.....CGACGGUGUAAACUGAXXXXXXXXXXXXXX.....	1524	
.....GACGGUGUAAACUGAGXXXXXXXXXXXXX.....	1891	
.....ACGGUGUAAACUGAGCXXXXXXXXXXXXX.....	1799	
.....CGGUGUAAACUGAGCUXXXXXXXXXXXXX.....	1091	
.....GGUGUAAACUGAGCUUXXXXXXXXXXXXX.....	767	
.....GUGUAAACUGAGCUUGXXXXXXXXXXXXX.....	900	
.....UGUAAACUGAGCUUGCXXXXXXXXXXXXX.....	44172	
.....GUAAACUGAGCUUGCXXXXXXXXXXXXX.....	2304	
.....UAAACUGAGCUUGCUCXXXXXXXXXXXXX.....	648	
.....AAACUGAGCUUGCUCUXXXXXXXXXXXXX.....	468	
.....AACUGAGCUUGCUCUUXXXXXXXXXXXXX.....	313	
.....ACUGAGCUUGCUCUUUXXXXXXXXXXXXX.....	283	
.....CUGAGCUUGCUCUUUUXXXXXXXXXXXXX.....	226	
.....UGAGCUUGCUCUUUUUXXXXXXXXXXXXX.....	42	

#shR1005 dt

	Reads	
uuguuGAGCAAGCUCAGUUUACACCUUguccgacggUGUAAACUGAGCUUGCUCUUuu		
..GUUGAGCAAGCUCAGUUUACACC.....	13	0.05
..UUGAGCAAGCUCAGUUUACACCXXX.....	11	0.04
...UGAGCAAGCUCAGUUUACAXXXXXX.....	160	0.58
....GAGCAAGCUCAGUUUAXXXXXXXXXXXXXX.....	24508	88.35
.....AGCAAGCUCAGUUUACXXXXXXXXXXXXX.....	1779	6.41
.....GCAAGCUCAGUUUACXXXXXXXXXXXXX.....	732	2.64
.....CAAGCUCAGUUUACAXXXXXXXXXXXXXX.....	239	0.86
.....AAGCUCAGUUUACACXXXXXXXXXXXXX.....	299	1.08
.....AGCUCAGUUUACACCUXXXXXXXXXXXXX.....	228	
.....GCUCAGUUUACACCUUXXXXXXXXXXXXX.....	62	
.....CUCAGUUUACACCUUGXXXXXXXXXXXXX.....	154	
.....UCAGUUUACACCUUGUXXXXXXXXXXXXX.....	43	
.....CAGUUUACACCUUGUCXXXXXXXXXXXXX.....	85	
.....AGUUUACACCUUGUCCXXXXXXXXXXXXX.....	65	
.....GUUUACACCUUGUCCGXXXXXXXXXXXXX.....	83	
.....UUUACACCUUGUCCGACXXXXXXXXXXXXX.....	97	
.....UUACACCUUGUCCGACXXXXXXXXXXXXX.....	89	
.....UACACCUUGUCCGACGXXXXXXXXXXXXX.....	126	
.....ACACCUUGUCCGACGGXXXXXXXXXXXXX.....	60	

.....CACCUUGUCCGACGGUXXXXXXXXXX.....	261
.....ACCUUGUCCGACGGUGXXXXXXXXXX.....	482
.....CCUUGUCCGACGGUGUXXXXXXXXXX.....	572
.....CUUGUCCGACGGUGUAXXXXXXXXXXX.....	916
.....UUGUCCGACGGUGUAAAXXXXXXXXXXX.....	389
.....UGUCCGACGGUGUAAAAXXXXXXXXXXX.....	297
.....GUCCGACGGUGUAAACXXXXXXXXXX.....	103
.....UCCGACGGUGUAAACUXXXXXXXXXX.....	116
.....CCGACGGUGUAAACUGXXXXXXXXXX.....	1100
.....CGACGGUGUAAACUGAXXXXXXXXXXX.....	1566
.....GACGGUGUAAACUGAGXXXXXXXXXX.....	2006
.....ACGGUGUAAACUGAGCXXXXXXXXXX.....	2316
.....CGGUGUAAACUGAGCUXXXXXXXXXX.....	1103
.....GGUGUAAACUGAGCUUXXXXXXXXXX.....	2737
.....GUGUAAACUGAGCUUGXXXXXXXXXX.....	994
.....UGUAAACUGAGCUUGCXXXXXXXXXX.....	40391
.....GUAAACUGAGCUUGCXXXXXXXXXX.....	2241
.....UAAACUGAGCUUGCXXXXXXXXXX.....	526
.....AAACUGAGCUUGCXXXXXXXXXX.....	533
.....AACUGAGCUUGCXXXXXXXXXX.....	307
.....ACUGAGCUUGCXXXXXXXXXX.....	242
.....CUGAGCUUGCXXXXXXXXXX.....	68
.....UGAGCUUGCXXXXXXXXXX.....	9

#shR1005 dTT

	Reads	
uuuguGAGCAAGCUCAGUUUACACCUUguccgacggUGUAAACUGAGCUUGCUCUUuu		
..GUGAGCAAGCUCAGUUUACAXX.....	185	1.00
..UGAGCAAGCUCAGUUUACACC.....	2	0.01
...GAGCAAGCUCAGUUUAXXXXXXXXXXX.....	8337	45.24
....AGCAAGCUCAGUUUACXXXXXXXXXX.....	5432	29.47
.....GCAAGCUCAGUUUACAXXXXXXXXXXX.....	3679	19.96
.....CAAGCUCAGUUUACACXXXXXXXXXX.....	192	1.04
.....AAGCUCAGUUUACACXXXXXXXXXX.....	603	3.27
.....AGCUCAGUUUACACUXXXXXXXXXX.....	221	
.....GCUCAGUUUACACCUUXXXXXXXXXX.....	49	
.....CUCAGUUUACACCUUGXXXXXXXXXX.....	112	
.....UCAGUUUACACCUUGUXXXXXXXXXX.....	26	
.....CAGUUUACACCUUGUCXXXXXXXXXX.....	76	
.....AGUUUACACCUUGUCCXXXXXXXXXX.....	34	
.....GUUUACACCUUGUCCGXXXXXXXXXX.....	56	
.....UUUACACCUUGUCCGACXXXXXXXXXX.....	59	
.....UUACACCUUGUCCGACXXXXXXXXXX.....	63	
.....UACACCUUGUCCGACGXXXXXXXXXX.....	98	
.....ACACCUUGUCCGACGXXXXXXXXXX.....	42	
.....CACCUUGUCCGACGGUXXXXXXXXXX.....	205	
.....ACCUUGUCCGACGGUGXXXXXXXXXX.....	303	
.....CCUUGUCCGACGGUGUXXXXXXXXXX.....	496	
.....CUUGUCCGACGGUGUAXXXXXXXXXXX.....	715	
.....UUGUCCGACGGUGUAAAXXXXXXXXXXX.....	290	
.....UGUCCGACGGUGUAAAAXXXXXXXXXXX.....	257	
.....GUCCGACGGUGUAAACXXXXXXXXXX.....	148	
.....UCCGACGGUGUAAACUGXXXXXXXXXX.....	122	
.....CCGACGGUGUAAACUGXXXXXXXXXX.....	1372	
.....CGACGGUGUAAACUGAXXXXXXXXXXX.....	1326	
.....GACGGUGUAAACUGAGXXXXXXXXXX.....	1639	
.....ACGGUGUAAACUGAGCXXXXXXXXXX.....	1480	
.....CGGUGUAAACUGAGCUXXXXXXXXXX.....	1672	
.....GGUGUAAACUGAGCUUXXXXXXXXXX.....	560	
.....GUGUAAACUGAGCUUGXXXXXXXXXX.....	734	

.....UGUAAACUGAGCUUGCXXXXXX	24380
.....GUAACUGAGCUUGCXXXXXX	1493
.....UAAACUGAGCUUGCXXXX.	331
.....AAACUGAGCUUGCXXXX.	264
.....AACUGAGCUUGCXXXX.	187
.....ACUGAGCUUGCXXXX.	103
.....CUGAGCUUGCXXXX.	23
.....UGAGCUUGCXXXX.	2

#shR1005 dTTT

	Reads	
uugGAGCAAGCUCAGUUACACCUUgucgacgUGUAAACUGAGCUUGCUCUUuu	8	0.06
UUGGAGCAAGCUCAGUUACACX.....	8	0.06
.UGGAGCAAGCUCAGUUACACX.....	127	1.02
. .GGAGCAAGCUCAGUUAXXXXXXXXXX.....	1137	9.13
. . .GAGCAAGCUCAGUUAXXXXXXXXXX.....	3116	25.01
. . . .AGCAAGCUCAGUUACXXXXXXXXXXXX.....	5278	42.37
.GCAAGCUCAGUUACXXXXXXXXXXXX.....	56	0.45
.CAAGCUCAGUUACXXXXXXXXXXXX.....	2727	21.89
.AAGCUCAGUUACXXXXXXXXXXXX.....	194	
.AGCUCAGUUACXXXXXXXXXXXX.....	46	
.GCUCAGUUACCUXXXXXXXXXXXX.....	91	
.CUCAGUUACCUXXXXXXXXXXXX.....	39	
.UCAGUUACCUXXXXXXXXXXXX.....	48	
.CAGUUACCUXXXXXXXXXXXX.....	29	
.AGUUACCUXXXXXXXXXXXX.....	33	
.GUUUACCUXXXXXXXXXXXX.....	34	
.UUUACCUXXXXXXXXXXXX.....	37	
.UUACCUXXXXXXXXXXXX.....	54	
.UACCUXXXXXXXXXXXX.....	18	
.ACACCUXXXXXXXXXXXX.....	83	
.CACCUXXXXXXXXXXXX.....	164	
.ACCUXXXXXXXXXXXX.....	291	
. .CUUXXXXXXXXXXXX.....	430	
. .CUUGXXXXXXXXXXXX.....	180	
. .UUGXXXXXXXXXXXX.....	187	
. .UGXXXXXXXXXXXX.....	86	
. .GUXXXXXXXXXXXX.....	106	
. .UCCXXXXXXXXXXXX.....	769	
. .CCGXXXXXXXXXXXX.....	941	
. .CGXXXXXXXXXXXX.....	1074	
. .GACXXXXXXXXXXXX.....	918	
. .ACGXXXXXXXXXXXX.....	2472	
. .CGXXXXXXXXXXXX.....	260	
. .GGUXXXXXXXXXXXX.....	377	
. .UGUXXXXXXXXXXXX.....	11498	
. .GUAXXXXXXXXXXXX.....	688	
. .UAAXXXXXXXXXXXX.....	170	
. .AAACUXXXXXXXXXXXX.....	143	
. .AACUXXXXXXXXXXXX.....	84	
. .ACUXXXXXXXXXXXX.....	51	
. .CUGXXXXXXXXXXXX.....	7	

#mU6 TI 1

	Reads	
UGAUAUUUGUGGUAGUGGUUUUUUCGUA	40	81.63
.GAUUAUUUGUGGUAGUGGUUUUUU....	2	4.08
. .AUUAUUUGUGGUAGUGGUUUUUU....	7	14.29
. . .UAUUAUUUGUGGUAGUGGUUUUUU....		

#mU6 TI 2

AGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
AGAUAAUUUGUGGUAGUGGUXXXXX...	91	81.98
.GAUAAUUUGUGGUAGUGGUUUUX....	10	9.01
..AUAAUUUGUGGUAGUGGUUUUU...	3	2.70
...UAAUUUGUGGUAGUGGUUUUU....	7	6.31

#mU6 TI 3

CGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
.GAUAAUUUGUGGUAGUGGUXXXXX....	45	78.95
..AUAAUUUGUGGUAGUGGUUUUX....	5	8.77
...UAAUUUGUGGUAGUGGUUUUX....	7	12.28

#mU6 TI 4

GGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
GGAUAAUUUGUGGUAGUGGUXXXXX...	99	77.34
.GAUAAUUUGUGGUAGUGGUUUUX....	16	12.50
..AUAAUUUGUGGUAGUGGUUUUX....	8	6.25
...UAAUUUGUGGUAGUGGUUUUU....	5	3.91

#mU6 TI 5

UUGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
..GAUAAUUUGUGGUAGUGGUXXXXX....	35	76.09
...AUAAUUUGUGGUAGUGGUUUUUUCG..	2	4.35
...UAAUUUGUGGUAGUGGUUUUXXXX.	9	19.57

#mU6 TI 6

UAGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
UAGAUAAUUUGUGGUAGUGGUUUUU.....	2	1.14
.AGAUAAUUUGUGGUAGUXXXXXXXXXX...	156	88.64
..GAUAAUUUGUGGUAGUGGUUUUX....	9	5.11
...AUAAUUUGUGGUAGUGGUUUUU.....	2	1.14
...UAAUUUGUGGUAGUGGUUUUU.....	7	3.98

#mU6 TI 7

UCGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
..GAUAAUUUGUGGUAGUGGUUUUX....	60	90.91
...UAAUUUGUGGUAGUGGUUUUU.....	6	9.09

#mU6 TI 8

UGGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
.GGAUAAUUUGUGGUAGUGGUXXXXX....	90	93.75
..GAUAAUUUGUGGUAGUGGUUUUU.....	4	4.17
...UAAUUUGUGGUAGUGGUUUUU.....	2	2.08

#mU6 TI 9

UUUGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
GAUAAUUUGUGGUAGUGGUU**	0	

#mU6 TI 10

UUAGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
..AGAUAAUUUGUGGUAGUGGXXXXXXXX...	68	94.44
...AUAAUUUGUGGUAGUGGUUUUX.....	4	5.56

#mU6 TI 11

UUCGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
..CGAUAAUUUGUGGUAGUGGUUUUU.....	5	
...GAUAAUUUGUGGUAGUGGUUU.....	2	

#mU6 TI 12

UUGGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
..GGAUAAUUUGUGGUAGUGGUUUUXXX...	51	94.00
.....UAAUUUGUGGUAGUGGUUUUU.....	3	6.00

#mU6 TI 13

UUUUGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0	

#mU6 TI 14

UUUAGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
...AGAUAUUUGUGGUAGUGGUUUUU.....	4	

#mU6 TI 15

UUUCGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0	

#mU6 TI 16

UUUGGAUAAUUUGUGGUAGUGGUUUUUUCGUA	Reads	
..GGAUAAUUUGUGGUAGUGGUUUUU.....	4	

#shR-miR-451

UUAACCGUUACCAUUACUGAGUUUAGUAAUGGUAAUGGUUCUUUUU	Reads	
.UAAACCGUUACCAUUACUGAGUUUX.....	5	0.01
..AAACCGUUACCAUUACXXXXXXXXXXXX.....	34443	84.94
...AACCGUUACCAUUACUXXXXXXXXXXXX.....	764	1.88
....ACCGUUACCAUUACUGXXXXXXXXXXXX.....	600	1.48
.....CCGUUACCAUUACUGXXXXXXXXXXXX.....	982	2.42
.....CGUUACCAUUACUGAGXXXXXXXXXXXX.....	3757	9.26
.....GUUACCAUUACUGAGUXXXXXXXXXXXX.....	1918	
.....UUACCAUUACUGAGUUXXXXXXXXXXXX.....	422	
.....UACCAUUACUGAGUUUXXXXXXXXXXXX.....	567	
.....ACCAUUACUGAGUUUAAXXXXXX.....	283	
.....CCAUUACUGAGUUUAGXXXXX.....	124	
.....CAUUACUGAGUUUAGUXXXXX.....	335	
.....AUUACUGAGUUUAGUAXXXXXX.....	363	
.....UUACUGAGUUUAGUAAXXXXXX.....	55	
.....UACUGAGUUUAGUAAUXXXXXXXXXXXX.....	99	
.....ACUGAGUUUAGUAAUGXXXXXXXXXXXX.....	50	
.....CUGAGUUUAGUAAUGGXXXXXXXXXXXX.....	381	
.....UGAGUUUAGUAAUGGUXXXXXXXXXXXXX.....	423	
.....GAGUUUAGUAAUGGUAXXXXXXXXXXXXX.....	1528	
.....AGUUUAGUAAUGGUAAAXXXXXXXXXXXXX.....	977	
.....GUUUAGUAAUGGUAAUXXXXXXXXXXXX.....	2275	
.....UUUAGUAAUGGUAAUGXXXXXXXXXXXX.....	3248	
.....UUAGUAAUGGUAAUGGXXXXXXXXXXXX.....	4665	
.....UAGUAAUGGUAAUGGUXXXXXXXXXXXX.....	1769	
.....AGUAAUGGUAAUGGUUXXXXXXXXXXXX.....	581	
.....GUAAUGGUAAUGGUUCXXXXX.....	359	
.....UAAUGGUAAUGGUUCUXXXXX.....	193	
.....AAUGGUAAUGGUUCUXXXXX.....	212	
.....AUGGUAAUGGUUCUXXXXX.....	84	
.....UGGUAAUGGUUCUUUU.....	6	
.....GGUAAUGGUUCUUUU.....	9	

#shR-miR-31

UAGGCAAGAUGCUGGCAUAGCUGUUGAACUGGGAACCUGCUAUGCCAACAUAUUGCCAUUUUU	Reads	
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UAGGCAAGAUGCUGGCAUAGCXX.....	10	0.36
.AGGCAAGAUGCUGGCAXXXXXXXXXX.....	2621	94.28
.GGCAAGAUGCUGGCAUAGCXXXX.....	65	2.34
.GCAAGAUGCUGGCAUAGCXXX.....	27	0.97
.CAAGAUGCUGGCAUAGCXXXX.....	24	0.86
.AAGAUGCUGGCAUAGCXXXXXXXX.....	33	1.19
.AGAUGCUGGCAUAGCXXXXXXXX.....	17	
.GAUGCUGGCAUAGCUGXXXX.....	12	
.AUGCUGGCAUAGCUGXXXX.....	16	
.UGCUGGCAUAGCUGUXXXX.....	9	
.UGGCAUAGCUGUUAACXXXXXXXX.....	4	
.CUGUUAACUGGGAACXXXXXXXX.....	34	
.UGUUAACUGGGAACCGCXXXX.....	69	
.GUUAACUGGGAACCGCXXXX.....	14	
.UUAACUGGGAACCGCUAUGXXXX.....	56	
.UGAACUGGGAACCGCUAUGCXXXX.....	7	
.ACUGGGAACCGCUAUGCCAACAUAUX.....	4	
.CUGGGAACCGCUAUGCCXXXXXXXX.....	63	
.UGGGAACCGCUAUGCCXXXXXXXX.....	62	
.GGGAACCGCUAUGCCXXXXXXXXXXXX.....	157	
.GGAACCGCUAUGCCXXXXXXXXXXXX.....	77	
.GAACCGCUAUGCCAACAUAUX.....	24	
.AACCGCUAUGCCAACAUAUXXXXXXXX.....	39	
.ACCGCUAUGCCAACAUAUXXXXXXXX.....	46	
.CCCGCUAUGCCAACAUAUXXXXXXXX.....	65	
.CUGCUAUGCCAACAUAUXXXXXXXX.....	168	
.UGCUAUGCCAACAUAUXXXXXXXX.....	5667	
.GCUAUGCCAACAUAUXXXXXXXX.....	1281	
.CUAUGCCAACAUAUUGCXXXXXXXX.....	1808	
.UAUGCCAACAUAUUGCXXXXXXXX.....	5071	
.AUGCCAACAUAUUGCXXXXXXXX.....	295	
.UGCCAACAUAUUGCAXXXXX.....	55	
.GCCAACAUAUUGCAXXXX.....	32	
.CCAACAUAUUGCAXXX.....	13	
.CAACAUAUUGCAXUXX.....	25	
.AACUAUUGCAXUUU.....	5	

#V45 pHIPPY PGL3 hU6 promoter

	Reads	
UUUAUAUAUCUUGUGGCUAGCGUCUAAAAAGAGCUGUUUCUGAGGAGCCUUUUU		
.....AAAAAGAGCUGUUUCU.....	2	
.....AAAAGAGCUGUUUCUGXXXXXXXX.....	26	0.03
.....AAAGAGCUGUUUCUGAGGAXXXXX.....	90	0.09
.....AAGAGCUGUUUCUGAGGAXXXXX.....	689	0.67
.....AGAGCUGUUUCUGAGGAXXXXX.....	14642	14.34
.....GAGCUGUUUCUGAGGAXXXXX.....	72130	70.62
.....AGCUGUUUCUGAGGAGXXXX.....	8372	8.20
.....GCUGUUUCUGAGGAGCXXXX.....	3587	3.51
.....CUGUUUCUGAGGAGCCXXXX.....	855	0.84
.....UGUUUCUGAGGAGCCUXXXX.....	1744	1.71
.....GUUUUCUGAGGAGCCUUXXX.....	1118	
.....UUUCUGAGGAGCCUUUXX.....	596	
.....UUCUGAGGAGCCUUUUXX.....	573	
.....UCUGAGGAGCCUUUUU.....	29	

#V45 pHIPPY PGL3 hH1 promoter

	Reads	
UUUAUAAGUGGAUCCUGAGACCGUCUAAAAAGGCCUCCUCAGAAACAGCUCUUUUU		
.....AAAAAGGCCUCCUCAGAXXXXXXXXX.....	980	
.....AAAAGGCCUCCUCAGAAACXXXXXXXX.....	6315	4.41
.....AAAGGCCUCCUCAGAAACXXXXXXXX.....	20047	13.99

.....AAGGCUCCUCAGAAACXXXXXXXXXX	15368	10.73
.....AGGCUCCUCAGAAACXXXXXXXXXX	85450	59.65
.....GGCUCCUCAGAAACAGXXXXXXXXXX	14412	10.06
.....GCUCCUCAGAAACAGCXXXXXXXXXX	657	0.46
.....CUCCUCAGAAACAGCUCXXXXXXXX	496	0.35
.....UCCUCAGAAACAGCUCXXXXXXXX	265	0.18
.....CCUCAGAAACAGCUCUXXXX	238	0.17
.....CUCAGAAACAGCUCUUXXXX	277	
.....UCAGAAACAGCUCUUUXX	211	
.....CAGAAACAGCUCUUUXX	98	
.....AGAAACAGCUCUUUUU	8	

#shp53 pLKO.1 puro

	Reads	
GGACGAAACACCGACUCCAGUGGUAUUCUACUUCUUCAGAGAGUAGAUUACCACUGGAGUCUUUUU		
.....CCGACUCCAGUGGUAUUCUACU.....	2	0.11
.....CGACUCCAGUGGUAUUCUACXX.....	38	2.12
.....GACUCCAGUGGUAUUCXXXXXXXXXX.....	1619	90.14
.....ACUCCAGUGGUAUUCUACXXXXXXXXX.....	19	1.06
.....CUCCAGUGGUAUUCUAXXXXXX.....	55	3.06
.....UCCAGUGGUAUUCUACXXXXXXXXX.....	38	2.12
.....CCAGUGGUAUUCUACUXXXXXXXXXX.....	25	1.39
.....CAGUGGUAUUCUACUUCXXXXX.....	8	
.....AGUGGUAUUCUACUUCUUCAGAGAG.....	2	
.....UGGUAUUCUACUUCUUCAGAG.....	2	
.....GGUAUUCUACUUCUUCAGAGAGUAG.....	2	
.....GUAUUCUACUUCUUCAGAGXXXXXXXXX.....	13	
.....UAAUCUACUUCUUCAGAGAGXXXXX.....	10	
.....AAUCUACUUCUUCAGAGAG.....	2	
.....AUCUACUUCUUCAGAGAG.....	2	
.....UCUACUUCUUCAGAGAGU.....	3	
.....CUACUUCUUCAGAGAGUAGAX.....	6	
.....UACUUCUUCAGAGAGUAGXX.....	13	
.....ACUUCUUCAGAGAGUAGAU.....	6	
.....CUUCAAGAGAGUAGAUXXXXXXXXXXXXX.....	130	
.....UUCAAGAGAGUAGAUUACXXXXXXXXXXXXX.....	54	
.....UCAAGAGAGUAGAUUAXXXXXXXXXXXXXX.....	42	
.....CAAGAGAGUAGAUUACCACUGXXXXXX.....	19	
.....AAGAGAGUAGAUUACCAXXXXXXXXXXXXXX.....	121	
.....AGAGAGUAGAUUACCACXXXXXXXXXXXXX.....	60	
.....GAGAGUAGAUUACCACUGGXXXXXXXXXXXXX.....	90	
.....AGAGUAGAUUACCACUGGXXXXXXXXXXXXX.....	227	
.....GAGUAGAUUACCACUGGXXXXXXXXXXXXX.....	127	
.....AGUAGAUUACCACUGGXXXXXXXXXXXXX.....	40	
.....GUAGAUUACCACUGGAXXXXXXXXXXXXXX.....	417	
.....UAGAUUACCACUGGAGXXXXXXXXXXXXX.....	3297	
.....AGAUUACCACUGGAGUCXXXXX.....	108	
.....GAUUACCACUGGAGUCXXX.....	51	
.....AUUACCACUGGAGUCXXX.....	57	
.....UUACCACUGGAGUCUUX.....	18	
.....UACCACUGGAGUCUUUX.....	20	
.....ACCACUGGAGUCUUUU.....	3	

#shp63alpha pLKO.1

	Reads	
GACGAAACACCGGCCGUUUCGUCAGAACACACAUCUCGAGAUGUGUGUUCUGACGAAACGGUUUUU		
.....ACACCGGCCGUUUCGUCAGAA.....	6	
.....CGGCCGUUUCGUCAGAACACAXX.....	26	0.23
.....GGCCGUUUCGUCAGAAAXXXXXXXXXXXXXX.....	10796	96.52
.....GCCGUUUCGUCAGAACXXXXX.....	128	1.14
.....CCGUUUCGUCAGAACAXXXXXX.....	48	0.43

.....CGUUUCGUCAGAACACAXX.....	84	0.75
.....GUUUCGUCAGAACACAXXX.....	103	0.92
.....UUUCGUCAGAACACACXXXXXX.....	28	
.....UUCGUCAGAACACACAXXX.....	21	
.....UCGUCAGAACACACAUCXXXXX.....	19	
.....CGUCAGAACACACAUC.....	4	
.....UCAGAACACACAUCUCGAGAU.....	2	
.....CAGAACACACAUCUCG.....	2	
.....AGAACACACAUCUCGAGAUGUG.....	2	
.....AACACACAUCUCGAGAUXXXX.....	16	
.....CACACAUCUCGAGAUGX.....	6	
.....CACAUUCUCGAGAUGUGUG.....	3	
.....ACAUCUCGAGAUGUGUX.....	7	
.....CAUCUCGAGAUGUGUG.....	5	
.....AUCUCGAGAUGUGUGUXXXXXXXXXXX.....	50	
.....UCUCGAGAUGUGUGUUCXXXXXXXXXX.....	19	
.....CUCGAGAUGUGUGUUCXXXXXXXXXX.....	32	
.....UCGAGAUGUGUGUUCXXXXXXXXXX.....	52	
.....CGAGAUGUGUGUUCUGACGAAACGXXX.....	13	
.....GAGAUGUGUGUUCUGACGAAACX.....	7	
.....AGAUGUGUGUUCUGACGAAAXXXXXXXXXX.....	35	
.....GAUGUGUGUUCUGACGAAAXXXXXXXXXX.....	53	
.....AUGUGUGUUCUGACGAAACXXXXXXXXX.....	17	
.....UGUGUGUUCUGACGAAACXXXXXXXXX.....	255	
.....GUGUGUUCUGACGAAAXXXXXXXXXX.....	88	
.....UGUGUUCUGACGAAAXXXXXXXXXX.....	59739	
.....GUGUUCUGACGAAACGXXXXXX.....	1197	
.....UGUUCUGACGAAACGGXXXXXX.....	486	
.....GUUCUGACGAAACGGUXXXXXX.....	147	
.....UUCUGACGAAACGGUXXXXXX.....	60	
.....UCUGACGAAACGGUXXXXXX.....	88	
.....CUGACGAAACGGUXXXXXX.....	49	
.....UGACGAAACGGUXXXXXX.....	12	

#shLUC pRRL

	Reads	
CCGGUCCUAAGGUUAAGUCGCCUCGCUCGAGCGAGGGCGACUUAACCUUAGGUUUUU		
..GGUCCUAAGGUUAAGUXXXXXXXXX.....	1125	89.21
..GUCCUAAGGUUAAGUCGXXXXXX.....	59	4.68
...UCCUAAGGUUAAGUCGCCUXXXXX.....	66	5.23
....CCUAAGGUUAAGUCGCCUXXXXX.....	7	0.56
.....CUAAGGUUAAGUCGCCUC.....	4	0.32
.....UAAGGUUAAGUCGCCUCXXXXXX.....	18	
.....AAGGUUAAGUCGCCUXXXXXX.....	91	
.....AGGUUAAGUCGCCUCXXXXX.....	64	
.....GGUUAAGUCGCCUCGXXX.....	99	
.....GUUAAGUCGCCUCGCXXX.....	22	
.....UUAAGUCGCCUCGCUC.....	2	
.....UAAGUCGCCUCGCUCXXXXX.....	9	
.....CUCGAGCGAGGGCGACUUAACCUUA.....	2	
.....UCGAGCGAGGGCGACUXXXXXXXXXX.....	62	
.....CGAGCGAGGGCGACUXXXXXXXXXX.....	57	
.....GAGCGAGGGCGACUUAAXXXXXX.....	5	
.....GCGAGGGCGACUUAACCUUAGGXXXXX.....	46	
.....CGAGGGCGACUUAACCUUAGGUX.....	4	
.....GAGGGCGACUUAACCUUAGGUUUX.....	14	
.....AGGGCGACUUAACCUUAGGXXXXX.....	1504	
.....GGGCGACUUAACCUUAGGUUXXXX.....	112	
.....GGCGACUUAACCUUAGGUUXXXX.....	71	
.....GCGACUUAACCUUAGGUXXXXX.....	16	

.....CGACUUAACCUUAGGUUUXX.	4
.....GACUUAACCUUAGGUUUXX..	11
.....ACUUAACCUUAGGUUUXX.	10

#pSUPER Scr

CCACAGAUCCCCGCGAAAGAUGAUAGCUAAUUC AAGAGAUUAGCUUAUCAUCUUUCGCUUUUUUA	Reads	
.....CCCCGCGAAAGAUGAUAGCUX.....	8	0.51
.....CCCGCGAAAGAUGAUAXXXXXXXXXX.....	229	14.71
.....CCGCGAAAGAUGAUAGXXXXXXXXX.....	314	20.17
.....CGCGAAAGAUGAUAGXXXXXXXXX.....	428	27.49
.....GCGAAAGAUGAUAGCXXXXXXXXXXXXX.....	565	36.29
.....CGAAAGAUGAUAGCUXXX.....	8	0.51
.....GAAAGAUGAUAGCUAAXXX.....	5	0.32
.....GAUGAUAGCUAAUUCAAGAGA.....	2	
.....AUUCAAGAGAUUAGCUXXXXXXXXXXXXXX.....	19	
.....UUCAAGAGAUUAGCUUAUCAUCUXXX.....	10	
.....UCAAGAGAUUAGCUUAUCAUCUU.....	2	
.....CAAGAGAUUAGCUUAUCAUCUUUCGCU.....	2	
.....AAGAGAUUAGCUUAUCAUCUUUCGCU.....	9	
.....AGAGAUUAGCUUAUCAUXXXXXXXXXXXXX.....	9	
.....GAGAUUAGCUUAUCAUCUUUCGCUXXXX.....	66	
.....AGAUUAGCUUAUCAUCUUXXXXXXXXXXXXX.....	27	
.....GAUUAGCUUAUCAUCUUXXXXXXXXXXXXX.....	287	
.....AUUAGCUUAUCAUCUUUCGCUUX.....	76	
.....UUAGCUUAUCAUCUUUCXXXXXXXXXXXXX.....	6225	
.....UAGCUUAUCAUCUUUCXXXXXXXXXXXXX.....	487	
.....AGCUUAUCAUCUUUCGCUUX.....	28	
.....GCUUAUCAUCUUUCGCUUX.....	5	
.....CUUAUCAUCUUUCGCUXX.....	18	
.....UUAUCAUCUUUCGCUUX.....	71	
.....UAUCAUCUUUCGCUUX.....	41	

#pSUPER GFP

CCACAGAUCCCCGCGACACAAGCUGGAGUACAAUUC AAGAGAUUGUACUCCAGCUUGUGCCUUUUUA	Reads	
.....CCCCGCGACACAAGCUGGAGUACAX.....	13	0.28
.....CCCGCGACACAAGCUGGAGUAXXXXXX.....	567	11.99
.....CCGCGACACAAGCUGGAGXXXXXXXXXX.....	1342	28.39
.....CGGCACACAAGCUGGAGUXXXXXXXXXXXXX.....	1384	29.28
.....GGCACAAGCUGGAGUAXXXXXXXXXXXXXX.....	1339	28.33
.....GCACAAGCUGGAGUACXXXXX.....	24	0.51
.....CACACAAGCUGGAGUACAAXXX.....	15	0.32
.....ACAAGCUGGAGUACAAXXXXXXXXXXXXXX.....	25	0.53
.....CAAGCUGGAGUACAAXXX.....	18	0.38
.....AAGCUGGAGUACAAXXX.....	4	
.....CUGGAGUACAAXUCAAGAGA.....	4	
.....UGGAGUACAAXUCAAGAGAXXXXXX.....	5	
.....GAGUACAAXUCAAGAGAUXXXXXX.....	18	
.....AGUACAAXUCAAGAGAUUGXX.....	6	
.....GUACAAXUCAAGAGAU.....	2	
.....UCAAXUCAAGAGAUUG.....	2	
.....CAAUUCAAGAGAUUGUAXXX.....	11	
.....AAUUCAAGAGAUUGUAXXXXXXXXXXXXXX.....	68	
.....AUUCAAGAGAUUGUACXXXXXXXXXXXXX.....	66	
.....UUCAAGAGAUUGUACUXXXXXXXXXXXXX.....	68	
.....UCAAGAGAUUGUACUCXXXXXXXXXXXXX.....	86	
.....CAAGAGAUUGUACUCCAGXXXXXXXXXXXXX.....	21	
.....AAGAGAUUGUACUCCAGXXXXXXXXXXXXX.....	50	
.....AGAGAUUGUACUCCAGXXXXXXXXXXXXX.....	29	
.....GAGAUUGUACUCCAGCUUGUGCXXXXX.....	72	

.....AGAUUGUACUCCAGCUXXXXXXXXXXXXX.	62
.....GAUUGUACUCCAGCUXXXXXXXXXXXXX..	272
.....AUUGUACUCCAGCUUGXXXXXXXXXXXXX..	110
.....UUGUACUCCAGCUUGXXXXXXXXXXXXX.	3296
.....UGUACUCCAGCUUGGXXXXXXXXXXXXX.	3286
.....GUACUCCAGCUUGGUCXXXXXXXXXXXXX	421
.....UACUCCAGCUUGGUCXXXXXXXXXXXXX.	146
.....ACUCCAGCUUGGUCXXXXXXXXXXXXX.	129
.....CUCCAGCUUGGUCUXXXXXXXXXXXXX.	79
.....UCCAGCUUGGUCUUUXX..	62
.....CCAGCUUGGUCUUUUXX.	13
.....CAGCUUGGUCUUUUU.	4

#pSUPER macroH2A1

CCACAGAUCCCCGGGUGCAGACAAAUGUGAAUUC AAGAGAUUCACAUUUGUCUGCACCCUUUUUA	Reads	
.....CCCGGGUGCAGACAAAXXXXXXXXXXXXX.	84	2.31
.....CCGGGUGCAGACAAAUGUXXXXXXXXXXXXX.	800	22.04
.....CGGGUGCAGACAAAUGXXXXXXXXXXXXXX.	1219	33.58
.....GGGUGCAGACAAAUGUXXXXXXXXXXXXXX.	1474	40.61
.....GGUGCAGACAAAUGUGAAX.	11	0.30
.....GUGCAGACAAAUGUGAXXXXXXXXXXXXXX.	23	0.63
.....UGCAGACAAAUGUGAAXXXXXXXXXXXXXX.	15	0.41
.....CAGACAAAUGUGAAUUC AAGXX.	4	0.11
.....AGACAAAUGUGAAUUC AAGAG.	2	
.....GACAAAUGUGAAUUC AAGAGXX.	11	
.....ACAAAUGUGAAUUC AAGAXXXXXXXXXXXXXX.	20	
.....CAAAUGUGAAUUC AAGAXXXXXXXXXXXXXX.	9	
.....AAAUGUGAAUUC AAGAXXXXXXXXXXXXXX.	39	
.....AAUGUGAAUUC AAGAGXXXXXXXXXXXXX.	18	
.....AUGUGAAUUC AAGAGAXXXXXX.	10	
.....UGUGAAUUC AAGAGAUXXX.	5	
.....GUGAAUUC AAGAGAUUX.	9	
.....UGAAUUC AAGAGAUUCXXX.	9	
.....GAAUUC AAGAGAUUC AXXXXXXXXXXXXX.	32	
.....AAUUC AAGAGAUUC ACXXXXXXXXXXXXXX.	121	
.....AUUC AAGAGAUUC ACAXXXXXXXXXXXXXXX.	88	
.....UUUC AAGAGAUUC ACAXXXXXXXXXXXXXXX.	94	
.....UCAAGAGAUUC ACAXXXXXXXXXXXXXXX.	112	
.....CAAGAGAUUC ACAXXXXXXXXXXXXXXX.	33	
.....AAGAGAUUC ACAXXXXXXXXXXXXXXX.	110	
.....AGAGAUUC ACAXXXXXXXXXXXXXXX.	57	
.....GAGAUUC ACAXXXXXXXXXXXXXXX.	116	
.....AGAUUC ACAXXXXXXXXXXXXXXX.	190	
.....GAUUC ACAXXXXXXXXXXXXXXX.	343	
.....AUUC ACAXXXXXXXXXXXXXXX.	204	
.....UUC ACAXXXXXXXXXXXXXXX.	4691	
.....UC ACAXXXXXXXXXXXXXXX.	1781	
.....CACAUUC ACAXXXXXXXXXXXXXXX.	218	
.....ACAUUC ACAXXXXXXXXXXXXXXX.	117	
.....CAUUC ACAXXXXXXXXXXXXXXX.	487	
.....AUUC ACAXXXXXXXXXXXXXXX.	443	
.....UUUC ACAXXXXXXXXXXXXXXX.	80	
.....UUC ACAXXXXXXXXXXXXXXX.	18	

#pSUPER Scr with original H1 promoter

ccacucuuucccGCGAAAGAUGAUAGCUAAuuc aagagaUUAGCUUAUCAUCUUUCGcuuuua	Reads	
.....CCCGGAAAGAUGAUAXXXXXXXXXXXXXX.	2831	17.10
.....CCGCGAAAGAUGAUAXXXXXXXXXXXXXX.	3303	19.96
.....CGCGAAAGAUGAUAGXXXXXXXXXXXXXX.	2686	16.23

.....GCGAAAGAUGAUAGCXXXXXXXXXXXXX.....	6853	41.40
.....CGAAAGAUGAUAGCUXXXXXXX.....	501	3.03
.....GAAAGAUGAUAGCUAXXXXXXXXXXX.....	152	0.92
.....AAAGAUGAUAGCUAAXXXXXXXXXXX.....	101	0.61
.....AAGAUGAUAGCUAAUXXXXXXXXXX.....	125	0.76
.....AGAUGAUAGCUAAUXXXXXXXXXX.....	37	
.....GAUGAUAGCUAAUUCAXXXXXXX.....	20	
.....AUGAUAGCUAAUUCAXXXXXXXXXXX.....	36	
.....UGAUAGCUAAUUCAGAXXXXXXXXXXX.....	18	
.....GAUAAGCUAAUUCAGAXXXXXXXXXXX.....	69	
.....AUAAGCUAAUUCAGAXXXXXXXXXXX.....	78	
.....UAAGCUAAUUCAGAGAXXXXXXXXXXX.....	36	
.....AAGCUAAUUCAGAGAXXXXXXXXXXX.....	30	
.....AGCUAAUUCAGAGAU.....	3	
.....GCUAAUUCAGAGAUUXX.....	7	
.....CUAAUUCAGAGAUUAGXXXXXX.....	45	
.....UAAUUCAGAGAUUAGXXXXXX.....	67	
.....AAUUCAGAGAUUAGCXXXXXXXXXXXXX.....	110	
.....AUUCAGAGAUUAGCUXXXXXXXXXXXXXX.....	604	
.....UCAAGAGAUUAGCUXXXXXXXXXXXXX.....	239	
.....UCAAGAGAUUAGCUUXXXXXXXXXXXXX.....	249	
.....CAAGAGAUUAGCUUXXXXXXXXXXXXX.....	99	
.....AAGAGAUUAGCUUAXXXXXXXXXXXXXX.....	177	
.....AGAGAUUAGCUUAUCAXXXXXXXXXXXXXX.....	310	
.....GAGAUUAGCUUAUCAXXXXXXXXXXXXX.....	171	
.....AGAUUAGCUUAUCAUCXXXXXXXXXXXXX.....	176	
.....GAUUAGCUUAUCAUCXXXXXXXXXXXXX.....	454	
.....AUUAGCUUAUCAUCUXXXXXXXXXXXXX.....	727	
.....UUAGCUUAUCAUCUUXXXXXXXXXXXXX.....	2336	
.....UAGCUUAUCAUCUUUCXXXXXXXXXXXXX.....	1942	
.....AGCUUAUCAUCUUUCGXXXXXX.....	180	
.....GCUUAUCAUCUUUCGCXXXXX.....	76	
.....CUUAUCAUCUUUCGCXXXXX.....	152	
.....UUAUCAUCUUUCGCUUXX.....	216	
.....UAUCAUCUUUCGCUUUX.....	65	
.....AUCAUCUUUCGCUUUU.....	4	

#pSUPER GFP with original H1 promoter

	Reads	
ccacucuuucccGGCACAAGCUGGAGUACAAuucuaagagaUUGUACUCCAGCUUGUGCCuuuuua		
.....CCCGGCACAAGCUGGAXXXXXXXXXXX.....	2299	11.07
.....CCGGCACAAGCUGGAGXXXXXXXXXX.....	5592	26.93
.....CGGCACAAGCUGGAGUXXXXXXXXXXXXX.....	5162	24.86
.....GGCACAAGCUGGAGUAXXXXXXXXXXXXXX.....	7341	35.36
.....GCACAAGCUGGAGUACXXXXXXXXXXXXX.....	83	0.40
.....CACAAGCUGGAGUACAXXXXXXXXXXXXXX.....	177	0.85
.....ACAAGCUGGAGUACAAXXXXXXXXXXXXXX.....	108	0.52
.....CAAGCUGGAGUACAAUXXXXXXXXXXXXX.....	98	
.....AAGCUGGAGUACAAUXXXXXXXXXXXXX.....	45	
.....AGCUGGAGUACAAUUC.....	7	
.....GCUUGGAGUACAAUUCAGXXXXX.....	7	
.....CUGGAGUACAAUUCAXXXXXXXXXXXXXX.....	37	
.....UGGAGUACAAUUCAGXXXXXXXXXXXXX.....	58	
.....GGAGUACAAUUCAGAXXXXXXXXXXXXXX.....	35	
.....GAGUACAAUUCAGAGXXXXXXXXXXXXX.....	132	
.....AGUACAAUUCAGAGAUXXXXXXXXXXXXX.....	44	
.....GUACAAUUCAGAGAUXXX.....	23	
.....UACAAUUCAGAGAUUXXXXXXXXXXXXX.....	43	
.....ACA AUUCAGAGAUUGXXXXX.....	16	
.....CAAUUCAGAGAUUGXXXXXXXXXXXXX.....	128	

.....AAUUCAAGAGAUUGUAXXXXXXXXXXXXXX.....	592
.....AUUCAAGAGAUUGUACXXXXXXXXXXXXX.....	512
.....UUCAAGAGAUUGUACUXXXXXXXXXXXXX.....	526
.....UCAAGAGAUUGUACUCXXXXXXXXXXXXX.....	547
.....CAAGAGAUUGUACUCCXXXXXXXXXXXXX.....	162
.....AAGAGAUUGUACUCCAXXXXXXXXXXXXXX.....	249
.....AGAGAUUGUACUCCAGXXXXXXXXXXXXX.....	393
.....GAGAUUGUACUCCAGCXXXXXXXXXXXXX.....	330
.....AGAUUGUACUCCAGCUXXXXXXXXXXXXX.....	421
.....GAUUGUACUCCAGCUUXXXXXXXXXXXXX.....	1114
.....AUUGUACUCCAGCUUGXXXXXXXXXXXXX.....	887
.....UUGUACUCCAGCUUGUXXXXXXXXXXXXX.....	11680
.....UGUACUCCAGCUUGUGXXXXXXXXXXXXX.....	19608
.....GUACUCCAGCUUGUGCXXXXXXXXXXXXX.....	3015
.....UACUCCAGCUUGUGCCXXXXXXXXXXXXX.....	720
.....ACUCCAGCUUGUGCCUXXXXX.....	298
.....CUCCAGCUUGUGCCUXXXXX.....	298
.....UCCAGCUUGUGCCUUXXXXX.....	81
.....CCAGCUUGUGCCUUUUXX.....	31
.....CAGCUUGUGCCUUUUU.....	8

#pSUPER macroH2A1 with original H1 promoter

ccacucuuucccGGGUGCAGACAAAUGUGAAuucaagagaUUCACAUUUGUCUGCACCCUUuua	Reads	
.....UUCCCGGGUGCAGACAAAUGUG.....	3	0.02
.....CCCGGGUGCAGACAAAXXXXXXXXXXXXX.....	1261	6.63
.....CCGGGUGCAGACAAAXXXXXXXXXXXXX.....	6616	34.78
.....CGGGUGCAGACAAAUGXXXXXXXXXXXXX.....	4609	24.23
.....GGGUGCAGACAAAUGUXXXXXXXXXXXXX.....	6164	32.40
.....GGUGCAGACAAAUGUGXXXXXXXXXXXXX.....	68	0.36
.....GUGCAGACAAAUGUGAXXXXXXXXXXXXXX.....	142	0.75
.....UGCAGACAAAUGUGAAXXXXXXXXXXXXXX.....	89	0.47
.....GCAGACAAAUGUGAAUXXXXXXXXXXXXX.....	70	0.37
.....CAGACAAAUGUGAAUXXXXXXXXXXXXX.....	88	
.....AGACAAAUGUGAAUUCXXXXXXXXXXXXX.....	53	
.....GACAAAUGUGAAUUCAXXXXXXXXXXXXXX.....	71	
.....ACAAAUGUGAAUUCAGXXXXXXXXXXXXX.....	138	
.....CAAAUGUGAAUUCAGAXXXXXXXXXXXXXX.....	118	
.....AAAUGUGAAUUCAGAXXXXXXXXXXXXXX.....	230	
.....AAUGUGAAUUCAGAGXXXXXXXXXXXXX.....	104	
.....AUGUGAAUUCAGAGAXXXXXX.....	70	
.....UGUGAAUUCAGAGAUXXXXXXXXXXXXX.....	53	
.....GUGAAUUCAGAGAUXX.....	80	
.....UGAAUUCAGAGAUUCXXXXX.....	43	
.....GAAUUCAGAGAUUCAXXXXXXXXXXXXXX.....	160	
.....AAUUCAAGAGAUUCAXXXXXXXXXXXXXX.....	1254	
.....AUUCAAGAGAUUCACAXXXXXXXXXXXXXX.....	694	
.....UUCAAGAGAUUCACAUXXXXXXXXXXXXX.....	939	
.....UCAAGAGAUUCACAUUXXXXXXXXXXXXX.....	1100	
.....CAAGAGAUUCACAUUXXXXXXXXXXXXX.....	319	
.....AAGAGAUUCACAUUUGXXXXXXXXXXXXX.....	274	
.....AGAGAUUCACAUUUGUXXXXXXXXXXXXX.....	586	
.....GAGAUUCACAUUUGUCXXXXXXXXXXXXX.....	481	
.....AGAUUCACAUUUGUCUXXXXXXXXXXXXX.....	708	
.....GAUUCACAUUUGUCUGXXXXXXXXXXXXX.....	1643	
.....AUUCACAUUUGUCUGCXXXXXXXXXXXXX.....	1082	
.....UUCACAUUUGUCUGCAXXXXXXXXXXXXXX.....	11801	
.....UCACAUUUGUCUGCACXXXXXXXXXXXXX.....	5458	
.....CACAUUUGUCUGCACCCXXXXXXXXXXXXX.....	808	
.....ACAUUUGUCUGCACCCXXXXX.....	308	

.....CAUUUGUCUGCACCCUXXXX.	1349
.....AUUUGUCUGCACCCUXXXX.	1525
.....UUUGUCUGCACCCUUUXX.	244
.....UUGUCUGCACCCUUUUX.	45
.....UGUCUGCACCCUUUUU.	2

#pri-miR-155

gcugUUA AUGCUAAUCGUGAUAGGGUUuuugccuccaacugaCUCCUACAUAUUAGCAUUAACAgugu	Reads	
...GUUA AUGCUAAUCGUGXXXXXXXXXX.	44	0.05
...UUA AUGCUAAUCGUGAXXXXXXXXXXX.	79934	95.98
...UAAUGCUAAUCGUGAUAGXXXXXXXXXX.	1551	1.86
...AAUGCUAAUCGUGAUAGGXXXXXXXXXX.	462	0.55
...AUGCUAAUCGUGAUAGGXXXXXXXXXX.	348	0.42
...UGC UAAUCGUGAUAGGXXXXXXXXXX.	184	0.22
...GCUAAUCGUGAUAGGGXXXXXXXXXX.	758	0.91
...CUAAUCGUGAUAGGGGXXX.	229	
...UAAUCGUGAUAGGGGUXXXX.	257	
...AAUCGUGAUAGGGGUUXXX.	200	
...AUCGUGAUAGGGGUUUX.	15	
...UCGUGAUAGGGGUUUUX.	16	
...CGUGAUAGGGGUUUUXXXXXXXXXX.	18	
...GAUAGGGGUUUUUGCCUCCAACUGACU.	2	
...UAGGGGUUUUUGCCUCCAACUGACU.	2	
...GGGGUUUUUGCCUCCAACUGAX.	4	
...GGUUUUUGCCUCCAACUGXXXX.	8	
...UUUUUGCCUCCAACUGACUCC.	2	
...UUUUGCCUCCAACUGA.	2	
...CAACUGACUCCUACAUAU.	4	
...AACUGACUCCUACAUAU.	3	
...ACUGACUCCUACAUAUXXXXXXXXXX.	25	
...CUGACUCCUACAUAUAGCAUUAAXX.	25	
...UGACUCCUACAUAUAGCAUUAAXX.	63	
...GACUCCUACAUAUAGCAUUAACX.	38	
...ACUCCUACAUAUAGCAUUAAXX.	53	
...CUCCUACAUAUAGCAUUAAXX.	1506	
...UCCUACAUAUAGCAUUAACXXXXX.	52	
...CCUACAUAUAGCAUUAACXXXXX.	25	
...CUACAUAUAGCAUUAACX.	29	
...UACAUAUAGCAUUAACXXXX.	31	
...ACAUAUAGCAUUAACX.	34	
...CAUAUAGCAUUAACA.	9	

#pri-miR-223

cucCGUGUAUUUGACAAGCUGAGUUGgacacuccaugugguagagUGUCAGUUUGUCAAAUACCCCAagi	Reads	
..CCGUGUAUUUGACAAGCUGAG.	2	
..CGUGUAUUUGACAAGCUGXXXXXXXXXX.	331	
...GUGUAUUUGACAAGCUGAGUXXXXXXXXXX.	21	
...UGUAUUUGACAAGCUGAGUUGGACACU.	12	
...GUUUUGACAAGCUGAGUUGGXXXXXXXXXX.	47	
...UAUUUGACAAGCUGAGUUGGACACU.	14	
...AUUUUGACAAGCUGAGUXXXXXXXXXX.	53	
...UUUGACAAGCUGAGUUGGAXXXX.	26	
...UUGACAAGCUGAGUUGGXXXXXXXXXX.	22	
...UGACAAGCUGAGUUGGACACU.	12	
...GACAAGCUGAGUUGGACXXX.	4	
...AAGCUGAGUUGGACACU.	2	
...UGGACACUCCAUGUGGUAGAGUGU.	2	
...ACACUCCAUGUGGUAGAGUGUCAGUUU.	2	

.....UCCAUGUGGUAGAGUGUCAGXXXXXX.....	4	
.....AUGUGGUAGAGUGUCAGUU.....	2	
.....GUAGAGUGUCAGUUUGUCAAAUACCCC.....	2	
.....AGAGUGUCAGUUUGUCAAAUACCCXXX..	13	0.02
.....GAGUGUCAGUUUGUCAAAUACCCXXX..	22	0.03
.....AGUGUCAGUUUGUCAAAUACCCXXX..	5	0.01
.....GUGUCAGUUUGUCAAAUACCCXXX..	360	0.49
.....UGUCAGUUUGUCAAAUXXXXXXXXX..	65591	88.78
.....GUCAGUUUGUCAAAUACCCXXX..	6646	9.00
.....UCAGUUUGUCAAAUACCCXXX..	276	0.37
.....CAGUUUGUCAAAUACCCXXX..	469	0.63
.....AGUUUGUCAAAUACCCXXX..	265	0.36
.....GUUUGUCAAAUACCCXXX..	273	
.....UUUGUCAAAUACCCAXX..	608	