

Sequence name	Sequence of the longer 21U-RNAs	Nt length	Number of reads	Name of 21 nt mature 21U-RNA
1851807_adh	TAGATGTTCTGGAATTTCTGC	21	15	21UR-5
1851808_adh	TAGATGTTCTGGAATTTCTGCA	22	2	21UR-5
2048288_adh	TCTGCGATTGTTAGTTTTGCA	21	41	21UR-15
2048289_adh	TCTGCGATTGTTAGTTTTGCAAA	23	2	21UR-15
1879276_adh	TAGTGTAGAAAAGTGGTTGCT	21	2901	21UR-16
1879285_adh	TAGTGTAGAAAAGTGGTTGCTT	22	4	21UR-16
1879291_adh	TAGTGTAGAAAAGTGGTTGCTTG	23	4	21UR-16
2137276_adh	TGAATAATGTTTTCGTCGTAA	21	437	21UR-30
2137277_adh	TGAATAATGTTTTCGTCGTAA	22	2	21UR-30
1968336_adh	TCATAATATAGTTGGGACCTA	21	83	21UR-38
1046143_adh	CTCATAATATAGTTGGGACCTA	22	2	21UR-38
2662554_adh	TTGGATGAGTACATATGTGAT	21	411	21UR-59
2662555_adh	TTGGATGAGTACATATGTGATA	22	2	21UR-59
2662556_adh	TTGGATGAGTACATATGTGATAA	23	3	21UR-59
2662557_adh	TTGGATGAGTACATATGTGATAAA	25	1	21UR-59
2571315_adh	TTAGTCTGATAGTAACAAAAC	21	415	21UR-60
2571319_adh	TTAGTCTGATAGTAACAAAACG	22	1	21UR-60
2571321_adh	TTAGTCTGATAGTAACAAAACGG	23	6	21UR-60
2571322_adh	TTAGTCTGATAGTAACAAAACGGA	24	4	21UR-60
2571323_adh	TTAGTCTGATAGTAACAAAACGGAGC	26	1	21UR-60
1927630_adh	TATTGTAGATTTCTCCGCGCGG	21	814	21UR-66
1927647_adh	TATTGTAGATTTCTCCGCGCGGT	22	105	21UR-66
1927660_adh	TATTGTAGATTTCTCCGCGCGGTT	23	11	21UR-66
1927663_adh	TATTGTAGATTTCTCCGCGCGGTTT	24	3	21UR-66
1927664_adh	TATTGTAGATTTCTCCGCGCGGTTTT	26	1	21UR-66
2509509_adh	TGTGATCTCTACCGGTATAAC	21	563	21UR-68
2509510_adh	TGTGATCTCTACCGGTATAACA	22	4	21UR-68
2509512_adh	TGTGATCTCTACCGGTATAACAG	23	1	21UR-68
2616087_adh	TTCTCAGAATTCAGATGTGT	21	108	21UR-74
248784_adh	AATTCTCAGAATTCAGATGTGT	23	2	21UR-74
1756964_adh	TAAAGATGGAGTACTGTACTC	21	824	21UR-78
1756967_adh	TAAAGATGGAGTACTGTACTCT	22	1	21UR-78
2291452_adh	TGCATTGTGTGAGCCGGAATC	21	187	21UR-79
229592_adh	AATGCATTGTGTGAGCCGGAATC	23	2	21UR-79
2699855_adh	TTTATTCGGATTAGCGTTAGG	21	158	21UR-93
2699856_adh	TTTATTCGGATTAGCGTTAGGT	22	1	21UR-93
1957892_adh	TCAGAATGACTAGAAAAGTTGG	21	23	21UR-97
1957893_adh	TCAGAATGACTAGAAAAGTTGGT	22	1	21UR-97
2286363_adh	TGCACCTTGAGGGGAACTAGA	21	16	21UR-103
673008_adh	ATGCACCTTGAGGGGAACTAGA	22	1	21UR-103
1789171_adh	TAAGTTCGAATTCGAGAAAGG	21	319	21UR-108
1789172_adh	TAAGTTCGAATTCGAGAAAGGA	22	1	21UR-108
1789173_adh	TAAGTTCGAATTCGAGAAAGGAGT	24	1	21UR-108
2456765_adh	TGGGGTTGTAGATATAGAAGA	21	6577	21UR-116
2456770_adh	TGGGGTTGTAGATATAGAAGAC	22	1	21UR-116
2456773_adh	TGGGGTTGTAGATATAGAAGACT	23	4	21UR-116
2456774_adh	TGGGGTTGTAGATATAGAAGACTT	24	1	21UR-116

2456775_adh	TGGGGTTGTAGATATAGAAGACTTA	25	3	21UR-116
1834989_adh	TACTTCTGGATAAAAGTTACA	21	55	21UR-124
600533_adh	ATACTTCTGGATAAAAAGTTACA	22	1	21UR-124
1746952_adh	TAAAAATAGCGTGTATGTACA	21	52	21UR-130
1746953_adh	TAAAAATAGCGTGTATGTACAAAT	24	1	21UR-130
2473732_adh	TGGTGTGCCAGAAGATATAT	21	28	21UR-140
239280_adh	AATGGTGTGCCAGAAGATATAT	23	1	21UR-140
1983723_adh	TCCGAAAAATCGATTATGGAC	21	123	21UR-148
1983724_adh	TCCGAAAAATCGATTATGGACA	22	3	21UR-148
1815942_adh	TACCATGGACATTACCACAAT	21	20	21UR-154
594577_adh	ATACCATGGACATTACCACAAT	22	1	21UR-154
2616162_adh	TTCTCATCCGGTCCAAGAGGT	21	20	21UR-161
2616163_adh	TTCTCATCCGGTCCAAGAGGTTAT	24	1	21UR-161
2707387_adh	TTTCGCGTCGTCATCACAAAC	21	748	21UR-163
2707390_adh	TTTCGCGTCGTCATCACAAACT	22	1	21UR-163
2707392_adh	TTTCGCGTCGTCATCACAAACTT	23	1	21UR-163
1813294_adh	TACATCAATGACAGAAAGATC	21	84	21UR-166
593558_adh	ATACATCAATGACAGAAAGATC	22	1	21UR-166
203236_adh	AATACATCAATGACAGAAAGATC	23	1	21UR-166
2539465_adh	TTAAACAGCAATATGAACGAT	21	1385	21UR-183
2539468_adh	TTAAACAGCAATATGAACGATGGAA	25	1	21UR-183
1971614_adh	TCATCTTATCGTGTACAATCC	21	51	21UR-222
214188_adh	AATCATCTTATCGTGTACAATCC	23	1	21UR-222
2491734_adh	TGTATGATCAGTATGGAAAAT	21	1962	21UR-225
2491737_adh	TGTATGATCAGTATGGAAAATT	22	4	21UR-225
695507_adh	ATGTATGATCAGTATGGAAAAT	22	1	21UR-225
240881_adh	AATGTATGATCAGTATGGAAAAT	23	2	21UR-225
1918535_adh	TATGTCCATTAGAAGAATTCT	21	19	21UR-226
1918539_adh	TATGTCCATTAGAAGAATTCTTGT	24	1	21UR-226
2074125_adh	TGAAACTGTAAAAATTATGGC	21	712	21UR-228
1062000_adh	CTGAAACTGTAAAAATTATGGC	22	1	21UR-228
2074127_adh	TGAAACTGTAAAAATTATGGCT	22	8	21UR-228
1755973_adh	TAAACTTTTGATCCGGTTGCC	21	44	21UR-233
581487_adh	ATAAACTTTTGATCCGGTTGCC	22	1	21UR-233
198971_adh	AATAAACTTTTGATCCGGTTGCC	23	2	21UR-233
1944440_adh	TCACACACAACAAAGGCTAAA	21	54	21UR-266
1944441_adh	TCACACACAACAAAGGCTAAAAA	23	1	21UR-266
2533151_adh	TGTTTGCGTTGTTGTACATAT	21	133	21UR-269
701654_adh	ATGTTTGCGTTGTTGTACATAT	22	1	21UR-269
1822306_adh	TACGACCGAACGAATACTGAA	21	127	21UR-279
1822307_adh	TACGACCGAACGAATACTGAAA	22	4	21UR-279
1822308_adh	TACGACCGAACGAATACTGAAAA	23	34	21UR-279
1822649_adh	TACGACTGGCGTACGTATTCT	21	3816	21UR-294
1822652_adh	TACGACTGGCGTACGTATTCTG	22	2	21UR-294
1822653_adh	TACGACTGGCGTACGTATTCTGT	23	6	21UR-294
1822654_adh	TACGACTGGCGTACGTATTCTGTT	24	2	21UR-294
1822655_adh	TACGACTGGCGTACGTATTCTGTTG	25	1	21UR-294
2032178_adh	TCTACTTGTTGAATAATGGTA	21	2870	21UR-296
2032179_adh	TCTACTTGTTGAATAATGGTAAA	23	1	21UR-296
1835146_adh	TACTTGACGGGACCAATAAA	21	46	21UR-307

1835147_adh	TACTTGACGGGACCAATTAAC	22	1	21UR-307
2526186_adh	TGTTCCAAGCATGTGTGATGG	21	30	21UR-312
2526187_adh	TGTTCCAAGCATGTGTGATGGCTC	24	1	21UR-312
2673107_adh	TTGGTTTTAGAATTGGATGCTT	21	429	21UR-313
2673108_adh	TTGGTTTTAGAATTGGATGCTTA	22	1	21UR-313
1832891_adh	TACTGCTTTTTCACTTCACGA	21	17	21UR-323
1832892_adh	TACTGCTTTTTCACTTCACGAAA	23	1	21UR-323
2047988_adh	TCTGCAGTTTTTGAACGCGTC	21	372	21UR-326
222447_adh	AATCTGCAGTTTTTGAACGCGTC	23	2	21UR-326
1878465_adh	TAGTGGAACCTCAACGCTGA	21	47	21UR-337
1878466_adh	TAGTGGAACCTCAACGCTGAA	22	2	21UR-337
2011193_adh	TCGGACAAGAAGAATAGATCG	21	47	21UR-348
2011194_adh	TCGGACAAGAAGAATAGATCGA	22	18	21UR-348
2011195_adh	TCGGACAAGAAGAATAGATCGAG	23	12	21UR-348
2011196_adh	TCGGACAAGAAGAATAGATCGAGA	24	7	21UR-348
2016555_adh	TCGGGAGGAAATATTCGGGAC	21	105	21UR-388
2016557_adh	TCGGGAGGAAATATTCGGGACGA	23	1	21UR-388
2596511_adh	TTCCACTGATATCCATGGACA	21	388	21UR-398
2596512_adh	TTCCACTGATATCCATGGACAC	22	1	21UR-398
713396_adh	ATTCCACTGATATCCATGGACA	22	1	21UR-398
2693295_adh	TTTACAGAAGGACAAACAGAG	21	433	21UR-399
2693297_adh	TTTACAGAAGGACAAACAGAGTGAC	25	1	21UR-399
1821799_adh	TACGAAGGATACATAGATCGT	21	318	21UR-405
596036_adh	ATACGAAGGATACATAGATCGT	22	1	21UR-405
2417091_adh	TGGGAAAAAACGATTCTGCAT	21	1691	21UR-421
2417095_adh	TGGGAAAAAACGATTCTGCATC	22	1	21UR-421
2417096_adh	TGGGAAAAAACGATTCTGCATCTAAT	26	1	21UR-421
1776600_adh	TAAGAGAGAAATAAGAGACTT	21	14	21UR-447
1776602_adh	TAAGAGAGAAATAAGAGACTTTGAT	25	2	21UR-447
1902490_adh	TATGACAACAACGATGACAAC	21	11273	21UR-453
1902491_adh	TATGACAACAACGATGACAACA	22	191	21UR-453
615632_adh	ATATGACAACAACGATGACAAC	22	2	21UR-453
1902492_adh	TATGACAACAACGATGACAACAA	23	70	21UR-453
1902493_adh	TATGACAACAACGATGACAACAAA	24	27	21UR-453
1902494_adh	TATGACAACAACGATGACAACAAAA	25	5	21UR-453
1902495_adh	TATGACAACAACGATGACAACAAAAA	26	1	21UR-453
1809241_adh	TACAATAACGTGTTTTATCT	21	28	21UR-455
591957_adh	ATACAATAACGTGTTTTATCT	22	1	21UR-455
2052233_adh	TCTGTCACATGCGAGACCCGG	21	18	21UR-459
1632763_adh	GTCTGTACATGCGAGACCCGG	22	1	21UR-459
2052237_adh	TCTGTCACATGCGAGACCCGGG	22	1	21UR-459
1007504_adh	CGTCTGTACATGCGAGACCCGG	23	3	21UR-459
1632764_adh	GTCTGTACATGCGAGACCCGGG	23	1	21UR-459
1632765_adh	GTCTGTACATGCGAGACCCGGGT	24	2	21UR-459
2052238_adh	TCTGTCACATGCGAGACCCGGGTT	24	3	21UR-459
1632766_adh	GTCTGTACATGCGAGACCCGGGTT	25	2	21UR-459
2052239_adh	TCTGTCACATGCGAGACCCGGGTTT	25	1	21UR-459
2052240_adh	TCTGTCACATGCGAGACCCGGGTTCA	26	1	21UR-459
1889887_adh	TATATATTCGCGTCAAGAA	21	8	21UR-469
612680_adh	ATATATATTCGCGTCAAGAA	22	1	21UR-469

2529325_adh	TGTTGCAACTGAAGAATCAAA	21	466	21UR-480
2529326_adh	TGTTGCAACTGAAGAATCAAAA	22	1	21UR-480
1965831_adh	TCAGTAGACATCTCTAACAGC	21	81	21UR-482
1965832_adh	TCAGTAGACATCTCTAACAGCA	22	1	21UR-482
2296121_adh	TGCGAATGGATTTTAGCTTGA	21	246	21UR-488
2296124_adh	TGCGAATGGATTTTAGCTTGAT	22	2	21UR-488
230345_adh	AATGCGAATGGATTTTAGCTTGA	23	2	21UR-488
1813127_adh	TACATACTCATTGAATGGTAG	21	33	21UR-501
593479_adh	ATACATACTCATTGAATGGTAG	22	1	21UR-501
1754370_adh	TAAACAGGACTTAATCTACAT	21	123	21UR-503
1754371_adh	TAAACAGGACTTAATCTACATA	22	1	21UR-503
1941613_adh	TCAATCTGAGGCTGCAAATGA	21	46	21UR-516
1941615_adh	TCAATCTGAGGCTGCAAATGAG	22	1	21UR-516
1837308_adh	TAGAAAGCATATTCATAGTTA	21	57	21UR-534
1837309_adh	TAGAAAGCATATTCATAGTTAGG	23	1	21UR-534
1861772_adh	TAGGAATGAGTTCAGTAAAGG	21	444	21UR-538
1861774_adh	TAGGAATGAGTTCAGTAAAGGT	22	3	21UR-538
1861775_adh	TAGGAATGAGTTCAGTAAAGGTAG	24	1	21UR-538
1861776_adh	TAGGAATGAGTTCAGTAAAGGTAGGT	26	1	21UR-538
2131852_adh	TGAAGCTCGGCATCAAGTAGA	21	1739	21UR-548
2131854_adh	TGAAGCTCGGCATCAAGTAGAC	22	12	21UR-548
1933527_adh	TCAAAGCTCTGAAGATTTGCC	21	1354	21UR-552
1933528_adh	TCAAAGCTCTGAAGATTTGCCA	22	6	21UR-552
1933531_adh	TCAAAGCTCTGAAGATTTGCCAT	23	2	21UR-552
209681_adh	AATCAAAGCTCTGAAGATTTGCC	23	2	21UR-552
1933532_adh	TCAAAGCTCTGAAGATTTGCCATCT	25	1	21UR-552
2532423_adh	TGTTTCGAACTTCAATGCAGG	21	1106	21UR-603
2532427_adh	TGTTTCGAACTTCAATGCAGGT	22	7	21UR-603
2075225_adh	TGAAAGAACGGAAGGATTTGT	21	624	21UR-607
2075226_adh	TGAAAGAACGGAAGGATTTGTA	22	6	21UR-607
2075228_adh	TGAAAGAACGGAAGGATTTGTAT	23	1	21UR-607
2140633_adh	TGAATCAGAACAATGGTACCC	21	17911	21UR-609
2630196_adh	TTGAATCAGAACAATGGTACCC	22	1	21UR-609
2497807_adh	TGTCGATAACCATACGCATGT	21	48	21UR-611
241276_adh	AATGTCGATAACCATACGCATGT	23	3	21UR-611
1838257_adh	TAGAACATGCAGCTATGATGA	21	564	21UR-632
1032844_adh	CTAGAACATGCAGCTATGATGA	22	1	21UR-632
1838259_adh	TAGAACATGCAGCTATGATGAC	22	4	21UR-632
1838260_adh	TAGAACATGCAGCTATGATGACAC	24	1	21UR-632
1813924_adh	TACATGGTCATTTTATTCTGG	21	12	21UR-662
593978_adh	ATACATGGTCATTTTATTCTGG	22	1	21UR-662
1829630_adh	TACTACGACAGGAGATGAATA	21	978	21UR-681
1031610_adh	CTACTACGACAGGAGATGAATA	22	1	21UR-681
1829632_adh	TACTACGACAGGAGATGAATAC	22	3	21UR-681
2152232_adh	TGACAATGGTTTATGAACGGT	21	24701	21UR-690
2152240_adh	TGACAATGGTTTATGAACGGTT	22	15	21UR-690
2152241_adh	TGACAATGGTTTATGAACGGTTAT	24	2	21UR-690
2152242_adh	TGACAATGGTTTATGAACGGTTATTT	26	1	21UR-690
1761264_adh	TAAATGAAGTAGAAAAAATAC	21	335	21UR-691
1761266_adh	TAAATGAAGTAGAAAAAATACT	22	1	21UR-691

1914227_adh	TATGGAGTAGTATAACCAAAA	21	1083	21UR-692
1914228_adh	TATGGAGTAGTATAACCAAAAA	22	4	21UR-692
1914229_adh	TATGGAGTAGTATAACCAAAAAA	23	2	21UR-692
208666_adh	AATATGGAGTAGTATAACCAAAA	23	3	21UR-692
1914230_adh	TATGGAGTAGTATAACCAAAAAAT	24	1	21UR-692
1833796_adh	TACTGTATTTGTAAGCCATGA	21	50	21UR-700
1833798_adh	TACTGTATTTGTAAGCCATGAAC	23	1	21UR-700
2045513_adh	TCTGACGAGTAGAGTTTAGAA	21	11511	21UR-703
2045514_adh	TCTGACGAGTAGAGTTTAGAAA	22	34	21UR-703
2045519_adh	TCTGACGAGTAGAGTTTAGAAAT	23	24	21UR-703
2618157_adh	TTCTGACGAGTAGAGTTTAGAAA	23	1	21UR-703
2045522_adh	TCTGACGAGTAGAGTTTAGAAATT	24	1	21UR-703
2045523_adh	TCTGACGAGTAGAGTTTAGAAATTTA	26	2	21UR-703
1978871_adh	TCCAGTAGCCTTGATTATCGG	21	731	21UR-711
1978872_adh	TCCAGTAGCCTTGATTATCGGA	22	2	21UR-711
2478704_adh	TGGTTTGTTACGTCGATTCAC	21	155	21UR-712
2478705_adh	TGGTTTGTTACGTCGATTCACC	22	1	21UR-712
1910982_adh	TATGATCAGGCATCCTAAACT	21	3013	21UR-715
1910984_adh	TATGATCAGGCATCCTAAACTC	22	5	21UR-715
616018_adh	ATATGATCAGGCATCCTAAACT	22	1	21UR-715
1910985_adh	TATGATCAGGCATCCTAAACTCG	23	1	21UR-715
208544_adh	AATATGATCAGGCATCCTAAACT	23	4	21UR-715
1910986_adh	TATGATCAGGCATCCTAAACTCGT	24	2	21UR-715
1910988_adh	TATGATCAGGCATCCTAAACTCGTT	25	1	21UR-715
2304263_adh	TGCGTGGTGAAAGGTTCTGT	21	263	21UR-735
2304264_adh	TGCGTGGTGAAAGGTTCTGTA	22	5	21UR-735
1874519_adh	TAGTAGATCTTGACAGAAGAA	21	1127	21UR-791
1036214_adh	CTAGTAGATCTTGACAGAAGAA	22	1	21UR-791
1809798_adh	TACAATGAGAAGCAATGTGAA	21	93	21UR-796
203022_adh	AATACAATGAGAAGCAATGTGAA	23	1	21UR-796
2395707_adh	TGGATTTAGCAAGAAACCGAG	21	4977	21UR-798
1082557_adh	CTGGATTTAGCAAGAAACCGAG	22	1	21UR-798
2395716_adh	TGGATTTAGCAAGAAACCGAGT	22	7	21UR-798
2395717_adh	TGGATTTAGCAAGAAACCGAGTA	23	1	21UR-798
2395719_adh	TGGATTTAGCAAGAAACCGAGTAT	24	1	21UR-798
2395720_adh	TGGATTTAGCAAGAAACCGAGTATCT	26	1	21UR-798
2183919_adh	TGAGACGAGAAGAAAAGATTT	21	42	21UR-801
2183920_adh	TGAGACGAGAAGAAAAGATTTTC	22	1	21UR-801
2183921_adh	TGAGACGAGAAGAAAAGATTTTCATT	25	1	21UR-801
1628374_adh	GTCGGTGGTTCGAGCCCGCCCGA	23	12	21UR-803
1550539_adh	GGTCGGTGGTTCGAGCCCGCCCGA	24	2	21UR-803
1550540_adh	GGTCGGTGGTTCGAGCCCGCCCGAG	25	1	21UR-803
1181997_adh	GAAGGTTCGGTGGTTCGAGCCCGCCCG	26	1	21UR-803
2553399_adh	TTACAACCTGTGTATGCTATGA	21	265	21UR-812
2553400_adh	TTACAACCTGTGTATGCTATGAA	22	7	21UR-812
1963342_adh	TCAGGAAAGCAAGAACTCGAA	21	950	21UR-845
1963343_adh	TCAGGAAAGCAAGAACTCGAAA	22	4	21UR-845
627949_adh	ATCAGGAAAGCAAGAACTCGAA	22	1	21UR-845
213518_adh	AATCAGGAAAGCAAGAACTCGAA	23	1	21UR-845
2278184_adh	TGATTTTCGGTTTGTAACCTTG	21	35	21UR-865

2278187_adh	TGATTTTCGGTTTGTAACCTTTGCC	23	1	21UR-865
2301979_adh	TGCGGGAGACAGACTTTGCAA	21	859	21UR-882
2301981_adh	TGCGGGAGACAGACTTTGCAAT	22	2	21UR-882
2678297_adh	TTGTTCGGATAACCACATTGGA	21	507	21UR-888
2678302_adh	TTGTTCGGATAACCACATTGGAT	22	1	21UR-888
253577_adh	AATTGTTCGGATAACCACATTGGA	23	1	21UR-888
1781170_adh	TAAGATTTTGGTCCCAATGAA	21	48	21UR-911
1781171_adh	TAAGATTTTGGTCCCAATGAAA	22	1	21UR-911
1850557_adh	TAGATATTCTATTACTTGCGG	21	5	21UR-914
1850559_adh	TAGATATTCTATTACTTGCGGC	22	1	21UR-914
1943278_adh	TCAATTTAGTCTAAGCGGCAA	21	120	21UR-916
1943279_adh	TCAATTTAGTCTAAGCGGCAAAA	23	1	21UR-916
1797670_adh	TAATCAAGTAGTATGAAATTA	21	2747	21UR-920
1797671_adh	TAATCAAGTAGTATGAAATTA	22	1	21UR-920
1797672_adh	TAATCAAGTAGTATGAAATTA	23	3	21UR-920
201160_adh	AATAATCAAGTAGTATGAAATTA	23	1	21UR-920
2592017_adh	TTCAGGAACGTTACTCATTAG	21	3118	21UR-928
2592019_adh	TTCAGGAACGTTACTCATTAGATAA	26	1	21UR-928
2291577_adh	TGCATTTGCTGTCACCTGAAA	21	113	21UR-929
674348_adh	ATGCATTTGCTGTCACCTGAAA	22	1	21UR-929
1918338_adh	TATGTCACGAGATTGGTTTAC	21	409	21UR-944
1918342_adh	TATGTCACGAGATTGGTTTACT	22	1	21UR-944
1804320_adh	TAATTGTGACTAAATTTTTGA	21	19	21UR-950
1804321_adh	TAATTGTGACTAAATTTTTGAAA	23	1	21UR-950
1867720_adh	TAGGCTTCGCAGTAGATTAAG	21	328	21UR-962
1035590_adh	CTAGGCTTCGCAGTAGATTAAG	22	2	21UR-962
1867722_adh	TAGGCTTCGCAGTAGATTAAGT	22	2	21UR-962
1901785_adh	TATGAAGATGATGAGCAATCT	21	124	21UR-970
1901786_adh	TATGAAGATGATGAGCAATCTAT	23	3	21UR-970
1747954_adh	TAAAACCGTAGAATAGAATCA	21	36	21UR-975
1747955_adh	TAAAACCGTAGAATAGAATCAAGA	24	2	21UR-975
1954171_adh	TCACTCCATACTACTAGAACA	21	258	21UR-981
1954173_adh	TCACTCCATACTACTAGAACATGT	25	1	21UR-981
2693187_adh	TTTACACACTTTAGTCGGGAT	21	467	21UR-998
254752_adh	AATTTACACACTTTAGTCGGGAT	23	2	21UR-998
1880798_adh	TAGTTGAACAGTAATCTCAA	21	33	21UR-999
1880800_adh	TAGTTGAACAGTAATCTCAAAC	22	1	21UR-999
2143452_adh	TGAATGAGCAAATTAGAATTC	21	176	21UR-1005
2143453_adh	TGAATGAGCAAATTAGAATTCA	22	2	21UR-1005
2130734_adh	TGAAGCAGTTCAAATCTGATG	21	16	21UR-1006
224552_adh	AATGAAGCAGTTCAAATCTGATG	23	2	21UR-1006
2018900_adh	TCGGTGAATTAATTCGGTGTC	21	954	21UR-1011
2018904_adh	TCGGTGAATTAATTCGGTGCT	22	1	21UR-1011
2168123_adh	TGACTCGTATTGGACTAAAA	21	1235	21UR-1016
2168125_adh	TGACTCGTATTGGACTAAAAAGA	23	3	21UR-1016
2099269_adh	TGAAATCTTCATGGTCGACGA	21	403	21UR-1017
660311_adh	ATGAAATCTTCATGGTCGACGA	22	4	21UR-1017
2623897_adh	TTCTTTTGGGGTTTGATCGAA	21	94	21UR-1021
2623898_adh	TTCTTTTGGGGTTTGATCGAAGGT	24	1	21UR-1021
1915110_adh	TATGGATTCCAGAAAATTGTC	21	62	21UR-1022

208695_adh	AATATGGATTCCAGAAAATTGTC	23	1	21UR-1022
2501826_adh	TGTGAAGTGTGATTTTCGTGC	21	45	21UR-1032
2501829_adh	TGTGAAGTGTGATTTTCGTGCCG	23	1	21UR-1032
1971583_adh	TCATCTGTAGGACAACATTTA	21	11	21UR-1036
1971584_adh	TCATCTGTAGGACAACATTTAA	22	1	21UR-1036
1971585_adh	TCATCTGTAGGACAACATTTAATAA	25	1	21UR-1036
2700536_adh	TTTATTGTGAAGACTGTGACG	21	93	21UR-1051
2700537_adh	TTTATTGTGAAGACTGTGACGT	22	3	21UR-1051
2700538_adh	TTTATTGTGAAGACTGTGACGTAAT	25	1	21UR-1051
2233974_adh	TGAGCGCATTGTATACACTG	21	40	21UR-1063
667880_adh	ATGAGCGCATTGTATACACTG	22	1	21UR-1063
227181_adh	AATGAGCGCATTGTATACACTG	23	1	21UR-1063
1886829_adh	TATACAGCTTAACTACCGATC	21	117	21UR-1079
612073_adh	ATATACAGCTTAACTACCGATC	22	1	21UR-1079
207835_adh	AATATACAGCTTAACTACCGATC	23	2	21UR-1079
1808508_adh	TACAACGTCGGTCAAACACAC	21	391	21UR-1087
1808509_adh	TACAACGTCGGTCAAACACACA	22	2	21UR-1087
2550670_adh	TTAATCTGAATGTCGTGATGA	21	262	21UR-1088
2550671_adh	TTAATCTGAATGTCGTGATGAT	22	1	21UR-1088
244101_adh	AATTAATCTGAATGTCGTGATGA	23	1	21UR-1088
2491513_adh	TGTATGAAAACGTGCCGTCTT	21	70	21UR-1091
240875_adh	AATGTATGAAAACGTGCCGTCTT	23	1	21UR-1091
1899008_adh	TATCGTTGGGTAGACCATGGT	21	2129	21UR-1122
1899013_adh	TATCGTTGGGTAGACCATGGTT	22	4	21UR-1122
614928_adh	ATATCGTTGGGTAGACCATGGT	22	1	21UR-1122
208331_adh	AATATCGTTGGGTAGACCATGGT	23	30	21UR-1122
1899017_adh	TATCGTTGGGTAGACCATGGTTTT	24	2	21UR-1122
1772802_adh	TAAC TTGTTGAATTTCCGAAT	21	19	21UR-1124
200269_adh	AATAACTTGTGAAATTTCCGAAT	23	1	21UR-1124
2420917_adh	TGGGAATGTGAAATTTTTCAG	21	116	21UR-1125
2420920_adh	TGGGAATGTGAAATTTTTCAGG	22	1	21UR-1125
2485685_adh	TGTAATTGGAAGAATCGTTGC	21	218	21UR-1130
2485687_adh	TGTAATTGGAAGAATCGTTGCGAT	24	1	21UR-1130
1919699_adh	TATGTTTGGAAAAACCGTTG	21	289	21UR-1134
1919700_adh	TATGTTTGGAAAAACCGTTGAA	23	1	21UR-1134
1919701_adh	TATGTTTGGAAAAACCGTTGAAG	24	1	21UR-1134
2476654_adh	TGGTTGGATTGTCGCAGTCGG	21	1468	21UR-1146
2476667_adh	TGGTTGGATTGTCGCAGTCGGT	22	49	21UR-1146
2476675_adh	TGGTTGGATTGTCGCAGTCGGTT	23	6	21UR-1146
1795056_adh	TAATAGGATTTTTTCGGGGGAA	21	119	21UR-1147
1795057_adh	TAATAGGATTTTTTCGGGGGAAT	22	3	21UR-1147
2482741_adh	TGTAATAAGTGGAGGTAGCTA	21	3818	21UR-1166
2482742_adh	TGTAATAAGTGGAGGTAGCTAA	22	1	21UR-1166
693686_adh	ATGTAATAAGTGGAGGTAGCTA	22	1	21UR-1166
2482743_adh	TGTAATAAGTGGAGGTAGCTAAA	23	2	21UR-1166
2482744_adh	TGTAATAAGTGGAGGTAGCTAAAC	24	1	21UR-1166
2482745_adh	TGTAATAAGTGGAGGTAGCTAAACA	25	1	21UR-1166
2482746_adh	TGTAATAAGTGGAGGTAGCTAAACAT	26	1	21UR-1166
2051841_adh	TCTGTACGAAGAATGTTGTT	21	2249	21UR-1167
2051845_adh	TCTGTACGAAGAATGTTGTTT	22	2	21UR-1167

2051849_adh	TCTGTACGAAGAATGGTTGTTTT	23	1	21UR-1167
2567673_adh	TTAGGACATAATATGATCTTA	21	111	21UR-1190
2567674_adh	TTAGGACATAATATGATCTTAA	22	4	21UR-1190
1968147_adh	TCATAACAAACTGGGCATAAA	21	272	21UR-1193
1968150_adh	TCATAACAAACTGGGCATAAAATTAT	26	1	21UR-1193
1997260_adh	TCGAATCAACTTGATCAAATC	21	4	21UR-1194
1997261_adh	TCGAATCAACTTGATCAAATCT	22	1	21UR-1194
670630_adh	ATGATTCCGCAATAAGGCCTTG	22	1	21UR-1198
2123549_adh	TGAACGGCTTTTTTCTGATGG	21	7234	21UR-1200
2123552_adh	TGAACGGCTTTTTTCTGATGGG	22	1	21UR-1200
2123555_adh	TGAACGGCTTTTTTCTGATGGGGACT	26	1	21UR-1200
1775715_adh	TAAGACGGCCAAATTATTTTC	21	135	21UR-1205
1775716_adh	TAAGACGGCCAAATTATTTTCT	22	1	21UR-1205
1761434_adh	TAAATGATAAGTTAGACCACA	21	306	21UR-1213
1761435_adh	TAAATGATAAGTTAGACCACAA	22	1	21UR-1213
1761436_adh	TAAATGATAAGTTAGACCACAACAAG	26	1	21UR-1213
2620064_adh	TTCTGTCTCCCAAGCCAAGTA	21	23	21UR-1215
722082_adh	ATTCTGTCTCCCAAGCCAAGTA	22	1	21UR-1215
1893946_adh	TATCATCAGGTTGAAGATTTG	21	631	21UR-1217
1893948_adh	TATCATCAGGTTGAAGATTTGG	22	1	21UR-1217
1893949_adh	TATCATCAGGTTGAAGATTTGGGT	24	2	21UR-1217
1893950_adh	TATCATCAGGTTGAAGATTTGGGTC	25	2	21UR-1217
1897448_adh	TATCGCTAAGCTTTTTCTGAA	21	53	21UR-1233
1897449_adh	TATCGCTAAGCTTTTTCTGAAA	23	1	21UR-1233
2137552_adh	TGAATACAATCAATGTTGACG	21	259	21UR-1251
662808_adh	ATGAATACAATCAATGTTGACG	22	2	21UR-1251
224802_adh	AATGAATACAATCAATGTTGACG	23	1	21UR-1251
1932360_adh	TCAAAAATAAACACAATTCTGG	21	1	21UR-1255
1932361_adh	TCAAAAATAAACACAATTCTGGC	22	2	21UR-1255
1829455_adh	TACTAATGTGTTGTAGGGTAA	21	146	21UR-1257
1829456_adh	TACTAATGTGTTGTAGGGTAAAA	23	1	21UR-1257
1846534_adh	TAGACTTGAGTTAGAACGGTT	21	72024	21UR-1258
1846535_adh	TAGACTTGAGTTAGAACGGTTA	22	6	21UR-1258
602877_adh	ATAGACTTGAGTTAGAACGGTT	22	2	21UR-1258
1846536_adh	TAGACTTGAGTTAGAACGGTTAA	23	11	21UR-1258
1846538_adh	TAGACTTGAGTTAGAACGGTTAAT	24	22	21UR-1258
1846540_adh	TAGACTTGAGTTAGAACGGTTAATT	25	5	21UR-1258
1760845_adh	TAAATCGGTCATATAAGATAA	21	1479	21UR-1285
1760846_adh	TAAATCGGTCATATAAGATAAA	22	1	21UR-1285
1760847_adh	TAAATCGGTCATATAAGATAAAG	23	1	21UR-1285
199436_adh	AATAAATCGGTCATATAAGATAA	23	2	21UR-1285
2572966_adh	TTAGTTGTCCATACGTTTCTC	21	85	21UR-1290
245150_adh	AATTAGTTGTCCATACGTTTCTC	23	1	21UR-1290
2572967_adh	TTAGTTGTCCATACGTTTCTCAC	23	1	21UR-1290
1895455_adh	TATCCAGAAAAAGTTCAGTTT	21	22	21UR-1300
208149_adh	AATATCCAGAAAAAGTTCAGTTT	23	1	21UR-1300
2635427_adh	TTGACCGAAGATTTTGAGAAC	21	281	21UR-1312
1108937_adh	CTTGACCGAAGATTTTGAGAAC	22	1	21UR-1312
2635428_adh	TTGACCGAAGATTTTGAGAACA	22	1	21UR-1312
2635429_adh	TTGACCGAAGATTTTGAGAACAA	23	1	21UR-1312

1987668_adh	TCCGTAGCAGATATTTATCGT	21	312	21UR-1317
1987672_adh	TCCGTAGCAGATATTTATCGTTGA	24	1	21UR-1317
2422406_adh	TGGGACTTCCTAAACGGTTTT	21	362	21UR-1330
2422407_adh	TGGGACTTCCTAAACGGTTTTAT	23	1	21UR-1330
1956987_adh	TCAGAAATACTTCATGAGCAA	21	103	21UR-1336
1956989_adh	TCAGAAATACTTCATGAGCAAG	22	1	21UR-1336
1956990_adh	TCAGAAATACTTCATGAGCAAGACA	25	1	21UR-1336
1890431_adh	TATATGTAACATCCACCGG	21	47	21UR-1339
1890432_adh	TATATGTAACATCCACCGGAG	23	1	21UR-1339
2132447_adh	TGAAGGAAGAGTACGAAACTT	21	3028	21UR-1343
2132449_adh	TGAAGGAAGAGTACGAAACTTT	22	5	21UR-1343
224612_adh	AATGAAGGAAGAGTACGAAACTT	23	7	21UR-1343
224613_adh	AATGAAGGAAGAGTACGAAACTTT	24	1	21UR-1343
2132453_adh	TGAAGGAAGAGTACGAAACTTTTGT	25	3	21UR-1343
1923753_adh	TATTCATAGTTTAAAGAGCAAT	21	35	21UR-1349
1923754_adh	TATTCATAGTTTAAAGAGCAATA	22	1	21UR-1349
1886800_adh	TATACAGAAGACGTCTTGTTA	21	308	21UR-1352
207830_adh	AATATACAGAAGACGTCTTGTTA	23	1	21UR-1352
2073748_adh	TGAAACTCTACTTTCAGGAGG	21	148	21UR-1355
2073749_adh	TGAAACTCTACTTTCAGGAGGA	22	1	21UR-1355
2073751_adh	TGAAACTCTACTTTCAGGAGGAC	23	1	21UR-1355
2617040_adh	TTCTCTCAGCCTACGACCAAA	21	146	21UR-1360
2617041_adh	TTCTCTCAGCCTACGACCAAAA	22	1	21UR-1360
248862_adh	AATTCTCTCAGCCTACGACCAAA	23	1	21UR-1360
2013652_adh	TCGGATATTAGCAAACATTA	21	353	21UR-1372
2013653_adh	TCGGATATTAGCAAACATTA	22	2	21UR-1372
2013654_adh	TCGGATATTAGCAAACATTA	23	1	21UR-1372
2013655_adh	TCGGATATTAGCAAACATTA	25	2	21UR-1372
1841352_adh	TAGAATCGGATTATTTATTAT	21	133	21UR-1375
205546_adh	AATAGAATCGGATTATTTATTAT	23	1	21UR-1375
2626853_adh	TTGAACTGGTCGCTGTGATGG	21	1374	21UR-1404
2626854_adh	TTGAACTGGTCGCTGTGATGGA	22	6	21UR-1404
723641_adh	ATTGAACTGGTCGCTGTGATGG	22	1	21UR-1404
2626855_adh	TTGAACTGGTCGCTGTGATGGAAT	24	2	21UR-1404
2626856_adh	TTGAACTGGTCGCTGTGATGGAATT	25	1	21UR-1404
1814098_adh	TACATTAATATTGTTTCGGAAA	21	1307	21UR-1415
1814099_adh	TACATTAATATTGTTTCGGAAAA	23	1	21UR-1415
2665203_adh	TTGGCACTCGCGAACACCGCG	21	1	21UR-1430
1114195_adh	CTTGGCACTCGCGAACACCGCG	22	369	21UR-1430
1114196_adh	CTTGGCACTCGCGAACACCGCGA	23	16	21UR-1430
1972216_adh	TCATGCACGGCTAAAAATTTTC	21	242	21UR-1442
1972217_adh	TCATGCACGGCTAAAAATTTCT	22	2	21UR-1442
1813182_adh	TACATAGGAATCGAAATATGC	21	16	21UR-1465
203207_adh	AATACATAGGAATCGAAATATGC	23	1	21UR-1465
2472196_adh	TGGTGGATCGTCATTTGGTGG	21	187	21UR-1475
2472199_adh	TGGTGGATCGTCATTTGGTGGT	22	1	21UR-1475
2472200_adh	TGGTGGATCGTCATTTGGTGGTA	23	2	21UR-1475
2472201_adh	TGGTGGATCGTCATTTGGTGGTAGT	25	2	21UR-1475
2671195_adh	TTGGTGGATCGTCATTTGGTGGTAGT	26	1	21UR-1475
1917496_adh	TATGTACGTAACAACACACTG	21	41	21UR-1479

208763_adh	AATATGTACGTAACAACACACTG	23	1	21UR-1479
1941311_adh	TCAATCACGGTATTTATTTTG	21	104	21UR-1483
210484_adh	AATCAATCACGGTATTTATTTTG	23	2	21UR-1483
2289539_adh	TGCAGTTTTTGATGACAGCAA	21	36	21UR-1489
1071421_adh	CTGCAGTTTTTGATGACAGCAA	22	1	21UR-1489
1885898_adh	TATAATGAGATTTGACTTTGT	21	23	21UR-1498
611968_adh	ATATAATGAGATTTGACTTTGT	22	1	21UR-1498
2136911_adh	TGAATAATAGAAAATGCTGGC	21	3111	21UR-1511
2136912_adh	TGAATAATAGAAAATGCTGGCA	22	8	21UR-1511
2136913_adh	TGAATAATAGAAAATGCTGGCAA	23	7	21UR-1511
2136914_adh	TGAATAATAGAAAATGCTGGCAAA	24	2	21UR-1511
2136915_adh	TGAATAATAGAAAATGCTGGCAAAA	25	1	21UR-1511
2004792_adh	TCGATTCGTATAATGCAGAAA	21	1260	21UR-1517
2004795_adh	TCGATTCGTATAATGCAGAAAT	22	3	21UR-1517
2719544_adh	TTTGATGTTGCGTGAAGCATA	21	5	21UR-1531
742961_adh	ATTTGATGTTGCGTGAAGCATA	22	1	21UR-1531
2611766_adh	TTCGTATGTTGAGTTAATGGC	21	1313	21UR-1545
1105099_adh	CTTCGTATGTTGAGTTAATGGC	22	1	21UR-1545
2611768_adh	TTCGTATGTTGAGTTAATGGCGA	23	1	21UR-1545
2611769_adh	TTCGTATGTTGAGTTAATGGCGAAT	25	1	21UR-1545
1827323_adh	TACGGTCGATCTTGTTTTAGG	21	131	21UR-1547
1827324_adh	TACGGTCGATCTTGTTTTAGGAA	23	1	21UR-1547
1811771_adh	TACAGAAGTGGACGTATTTAG	21	546	21UR-1556
1030062_adh	CTACAGAAGTGGACGTATTTAG	22	2	21UR-1556
1811773_adh	TACAGAAGTGGACGTATTTAGGTAGA	26	1	21UR-1556
1806460_adh	TACAAAACCCAAAACCTTTTGA	21	68	21UR-1560
1806461_adh	TACAAAACCCAAAACCTTTTGAA	22	4	21UR-1560
2272715_adh	TGATGGGTAGTTGATTTTGGT	21	1622	21UR-1585
2272717_adh	TGATGGGTAGTTGATTTTGGTT	22	4	21UR-1585
2272721_adh	TGATGGGTAGTTGATTTTGGTTT	23	2	21UR-1585
2308567_adh	TGCTGATTGAACATTTCAAAA	21	103	21UR-1587
231086_adh	AATGCTGATTGAACATTTCAAAA	23	1	21UR-1587
1768621_adh	TAACGCTTGTGAACGCATGAT	21	73	21UR-1594
1768624_adh	TAACGCTTGTGAACGCATGATT	22	1	21UR-1594
200072_adh	AATAACGCTTGTGAACGCATGAT	23	1	21UR-1594
1838883_adh	TAGAACTTCTCAAAAAATAAC	21	32	21UR-1595
1838884_adh	TAGAACTTCTCAAAAAATAACA	22	1	21UR-1595
1850317_adh	TAGATAGGCAGAAATTTGATG	21	1608	21UR-1598
1850318_adh	TAGATAGGCAGAAATTTGATGA	22	13	21UR-1598
1850319_adh	TAGATAGGCAGAAATTTGATGAA	23	2	21UR-1598
1921734_adh	TATTAGTAGGTCAGCTTTGAA	21	39	21UR-1604
1921735_adh	TATTAGTAGGTCAGCTTTGAAA	22	1	21UR-1604
2081003_adh	TGAAAGCAGAGGTGGGCGGAT	21	135	21UR-1611
2081004_adh	TGAAAGCAGAGGTGGGCGGATA	22	1	21UR-1611
2081006_adh	TGAAAGCAGAGGTGGGCGGATAT	23	1	21UR-1611
2665540_adh	TTGGCCGTACGTAATATGAAT	21	398	21UR-1618
731569_adh	ATTGGCCGTACGTAATATGAAT	22	1	21UR-1618
1913528_adh	TATGAAAATGCGGTTATTTGA	21	1504	21UR-1623
1913529_adh	TATGAAAATGCGGTTATTTGAA	22	7	21UR-1623
1913531_adh	TATGAAAATGCGGTTATTTGAAT	23	6	21UR-1623

1913532_adh	TATGGAAATGCGGTTATTTGAATAG	25	1	21UR-1623
1913533_adh	TATGGAAATGCGGTTATTTGAATAGT	26	4	21UR-1623
1956718_adh	TCAGAAAAGGTGTTGTACAAC	21	341	21UR-1634
1956719_adh	TCAGAAAAGGTGTTGTACAACA	22	1	21UR-1634
2489490_adh	TGTAGTAGCATCTTATTTCAA	21	114	21UR-1642
240769_adh	AATGTAGTAGCATCTTATTTCAAAAT	26	1	21UR-1642
1845344_adh	TAGACGATTGGTTCAATTTGC	21	33	21UR-1649
1845345_adh	TAGACGATTGGTTCAATTTGCAA	23	1	21UR-1649
1758921_adh	TAAAGTCGTGATGACAAATGA	21	69	21UR-1668
1758922_adh	TAAAGTCGTGATGACAAATGAA	22	1	21UR-1668
1976216_adh	TCCAAGAGTCAATGATTCGTT	21	4	21UR-1683
214673_adh	AATCCAAGAGTCAATGATTCGTT	23	1	21UR-1683
2532110_adh	TGTTTCAACTCTACGGTGCCT	21	371	21UR-1684
2532111_adh	TGTTTCAACTCTACGGTGCCTAA	23	1	21UR-1684
1925738_adh	TATTGACTATGAGATCTGAAC	21	33	21UR-1694
1925739_adh	TATTGACTATGAGATCTGAACA	22	2	21UR-1694
1925740_adh	TATTGACTATGAGATCTGAACAA	23	3	21UR-1694
2460129_adh	TGGGTTGTCGATATTCGCAGG	21	36	21UR-1702
2460130_adh	TGGGTTGTCGATATTCGCAGGA	22	1	21UR-1702
2460131_adh	TGGGTTGTCGATATTCGCAGGAA	23	2	21UR-1702
1895737_adh	TATCCGCGTCTGTACATGCGAGAC	25	1	21UR-1712
1836448_adh	TACTTTTGTGCGTGA AAATATG	21	86	21UR-1719
601257_adh	ATACTTTTGTGCGTGA AAATATG	22	1	21UR-1719
205328_adh	AATACTTTTGTGCGTGA AAATATG	23	1	21UR-1719
2596705_adh	TTCCAGACACACAGAAGGAAG	21	113	21UR-1746
2596706_adh	TTCCAGACACACAGAAGGAAGT	22	1	21UR-1746
1813797_adh	TACATGCCATCGACGGCCATC	21	120	21UR-1749
1813798_adh	TACATGCCATCGACGGCCATCA	22	1	21UR-1749
1825414_adh	TACGCTGGTAGAAAGAAAAAA	21	1550	21UR-1790
1031107_adh	CTACGCTGGTAGAAAGAAAAAA	22	1	21UR-1790
1808128_adh	TACAACGTAGAGTACTGAACT	21	108	21UR-1793
1808129_adh	TACAACGTAGAGTACTGAACTAAT	24	1	21UR-1793
1799258_adh	TAATGAACTGACAAAATTTGT	21	6	21UR-1794
589508_adh	ATAATGAACTGACAAAATTTGT	22	1	21UR-1794
2742302_adh	TTTTGCAGTTGCTGGAAATGG	21	516	21UR-1800
2742303_adh	TTTTGCAGTTGCTGGAAATGGA	22	1	21UR-1800
2742304_adh	TTTTGCAGTTGCTGGAAATGGAT	23	1	21UR-1800
2698490_adh	TTTATCCACACGGCTATCAGT	21	167	21UR-1821
255001_adh	AATTTATCCACACGGCTATCAGT	23	1	21UR-1821
2680597_adh	TTGTGAGGACAGTGGCATGGG	21	136	21UR-1824
2680599_adh	TTGTGAGGACAGTGGCATGGGC	22	2	21UR-1824
1928683_adh	TATTGTTTGTGGAAGCGTGAG	21	6953	21UR-1825
1928685_adh	TATTGTTTGTGGAAGCGTGAGC	22	27	21UR-1825
209387_adh	AATATTGTTTGTGGAAGCGTGAG	23	1	21UR-1825
2689710_adh	TTTAACAAATGACGGTAAATC	21	552	21UR-1832
2689711_adh	TTTAACAAATGACGGTAAATCT	22	1	21UR-1832
2689712_adh	TTTAACAAATGACGGTAAATCTAATC	26	1	21UR-1832
2502236_adh	TGTGAAGCGAGATTGTTCAAC	21	2185	21UR-1833
2502237_adh	TGTGAAGCGAGATTGTTCAACA	22	2	21UR-1833
242153_adh	AATGTGAAGCGAGATTGTTCAAC	23	3	21UR-1833

2502238_adh	TGTGAAGCGAGATTGTTCAACAA	23	2	21UR-1833
2502239_adh	TGTGAAGCGAGATTGTTCAACAAA	24	1	21UR-1833
2683988_adh	TTGTTCTTCGTTCCGGTCCAAA	21	4072	21UR-1838
1118902_adh	CTTGTTCTTCGTTCCGGTCCAAA	22	1	21UR-1838
1758000_adh	TAAAGGCAGAATTTTATCAAC	21	1646	21UR-1848
1758001_adh	TAAAGGCAGAATTTTATCAACA	22	5	21UR-1848
1758002_adh	TAAAGGCAGAATTTTATCAACAA	23	4	21UR-1848
1758003_adh	TAAAGGCAGAATTTTATCAACAAAA	26	2	21UR-1848
2302361_adh	TGCGGTAGATAAAGAAGTACT	21	670	21UR-1850
2302369_adh	TGCGGTAGATAAAGAAGTACTT	22	2	21UR-1850
230648_adh	AATGCGGTAGATAAAGAAGTACT	23	1	21UR-1850
2304594_adh	TGCGTTGAAGACTACTCCTGA	21	609	21UR-1861
2304595_adh	TGCGTTGAAGACTACTCCTGAA	22	15	21UR-1861
2304596_adh	TGCGTTGAAGACTACTCCTGAAA	23	18	21UR-1861
2304597_adh	TGCGTTGAAGACTACTCCTGAAAA	24	3	21UR-1861
1942418_adh	TCAATGTACTCGTTGGTTTCT	21	651	21UR-1874
1043680_adh	CTCAATGTACTCGTTGGTTTCT	22	1	21UR-1874
1914299_adh	TATGGAGTCGGTATATTTTGA	21	631	21UR-1876
1914300_adh	TATGGAGTCGGTATATTTTGAA	22	4	21UR-1876
616846_adh	ATATGGAGTCGGTATATTTTGA	22	1	21UR-1876
2554415_adh	TTACAGTATTGGTAAGGTGGA	21	91	21UR-1882
2554416_adh	TTACAGTATTGGTAAGGTGAAAGT	25	1	21UR-1882
2291205_adh	TGCATTGAAACGAACAACACTAC	21	63	21UR-1884
2291207_adh	TGCATTGAAACGAACAACACTACT	22	2	21UR-1884
2291208_adh	TGCATTGAAACGAACAACACTACTA	23	1	21UR-1884
1889632_adh	TATATAATTAAGAACATTGA	21	39	21UR-1892
1889633_adh	TATATAATTAAGAACATTGAA	22	3	21UR-1892
1837639_adh	TAGAAAGTTTGGACAATTTTT	21	14	21UR-1895
1837640_adh	TAGAAAGTTTGGACAATTTTTCGGTA	26	1	21UR-1895
1869158_adh	TAGGGGCATGGTTTATTGAAC	21	531	21UR-1919
1035710_adh	CTAGGGGCATGGTTTATTGAAC	22	2	21UR-1919
1869159_adh	TAGGGGCATGGTTTATTGAACA	22	6	21UR-1919
330801_adh	ACTAGGGGCATGGTTTATTGAACA	24	1	21UR-1919
1901668_adh	TATGAACTTCGTAAGAAAATA	21	9	21UR-1941
615378_adh	ATATGAACTTCGTAAGAAAATA	22	1	21UR-1941
1940291_adh	TCAAGTCAGACAAATGTGCTT	21	3660	21UR-1943
1940293_adh	TCAAGTCAGACAAATGTGCTTC	22	1	21UR-1943
210429_adh	AATCAAGTCAGACAAATGTGCTT	23	7	21UR-1943
1823439_adh	TACGAGGGTGACAAAGAATGG	21	1528	21UR-1949
1823440_adh	TACGAGGGTGACAAAGAATGGA	22	10	21UR-1949
1823441_adh	TACGAGGGTGACAAAGAATGGAA	23	5	21UR-1949
203994_adh	AATACGAGGGTGACAAAGAATGG	23	3	21UR-1949
1823442_adh	TACGAGGGTGACAAAGAATGGAATT	25	1	21UR-1949
2672100_adh	TTGGTTCCTGCTATTAGAACC	21	432	21UR-1956
732928_adh	ATTGGTTCCTGCTATTAGAACC	22	2	21UR-1956
253216_adh	AATTGGTTCCTGCTATTAGAACC	23	3	21UR-1956
2313216_adh	TGGA AAAATCCTGCATTGTAA	21	64	21UR-1960
678600_adh	ATGGA AAAATCCTGCATTGTAA	22	1	21UR-1960
231542_adh	AATGGA AAAATCCTGCATTGTAA	23	2	21UR-1960
1893092_adh	TATCACTCCATTGAAATATTG	21	14	21UR-1995

613448_adh	ATATCACTCCATTGAAATATTG	22	1	21UR-1995
2304533_adh	TGCGTTCTGTATTGTATACCG	21	226	21UR-2000
676836_adh	ATGCGTTCTGTATTGTATACCG	22	3	21UR-2000
2304534_adh	TGCGTTCTGTATTGTATACCGAA	23	2	21UR-2000
1872083_adh	TAGGTGTTGAAGAAAATTAAC	21	17	21UR-2008
1872084_adh	TAGGTGTTGAAGAAAATTAACGAT	24	1	21UR-2008
1946637_adh	TCACCAAGAATTCGGTACTC	21	2952	21UR-2014
625769_adh	ATCACCAAGAATTCGGTACTC	22	2	21UR-2014
2031245_adh	TCTACAGAACACTATGGCGAG	21	472	21UR-2055
2031250_adh	TCTACAGAACACTATGGCGAGT	22	2	21UR-2055
651580_adh	ATCTACAGAACACTATGGCGAG	22	1	21UR-2055
2031253_adh	TCTACAGAACACTATGGCGAGTT	23	1	21UR-2055
221316_adh	AATCTACAGAACACTATGGCGAG	23	2	21UR-2055
1945571_adh	TCACATACAAGGCGCGGCTTA	21	278	21UR-2061
625670_adh	ATCACATACAAGGCGCGGCTTA	22	1	21UR-2061
212500_adh	AATCACATACAAGGCGCGGCTTA	23	2	21UR-2061
2269721_adh	TGATCCTTTTGCAATTGACGA	21	112	21UR-2062
228011_adh	AATGATCCTTTTGCAATTGACGA	23	1	21UR-2062
1800825_adh	TAATGGTGTTGCCAGAAGATA	21	19	21UR-2063
589999_adh	ATAATGGTGTTGCCAGAAGATA	22	1	21UR-2063
1761035_adh	TAAATCTATTGAAGAGGACTG	21	691	21UR-2070
199452_adh	AATAAATCTATTGAAGAGGACTG	23	2	21UR-2070
1967490_adh	TCAGTTGAGTTGAAAAAAGGT	21	87	21UR-2091
1967491_adh	TCAGTTGAGTTGAAAAAAGGTT	22	1	21UR-2091
2701676_adh	TTTCAATATCATTTTTGAGTC	21	1	21UR-2094
255136_adh	AATTTCAATATCATTTTTGAGTC	23	1	21UR-2094
2450000_adh	TGGGCAGGTATTAATTTCGAGT	21	489	21UR-2102
2450002_adh	TGGGCAGGTATTAATTTCGAGTT	22	1	21UR-2102
1852894_adh	TAGCAAATCTGTAAATTTTGC	21	60	21UR-2104
1852895_adh	TAGCAAATCTGTAAATTTTGCA	22	1	21UR-2104
2669825_adh	TTGGTAGGCGTCATTA AAAACC	21	332	21UR-2127
732363_adh	ATTGGTAGGCGTCATTA AAAACC	22	1	21UR-2127
253029_adh	AATTGGTAGGCGTCATTA AAAACC	23	3	21UR-2127
2669827_adh	TTGGTAGGCGTCATTA AACCGAT	24	1	21UR-2127
1913819_adh	TATGGAATCGCACGGTG TAGA	21	194	21UR-2147
1913821_adh	TATGGAATCGCACGGTG TAGAT	22	1	21UR-2147
1973045_adh	TCATGTTATACTATTAGCATA	21	19	21UR-2148
214448_adh	AATCATGTTATACTATTAGCATA	23	1	21UR-2148
1858958_adh	TAGCTTAGTTCTGTTACTCAT	21	20	21UR-2156
1858959_adh	TAGCTTAGTTCTGTTACTCATT	23	1	21UR-2156
2519062_adh	TGTGTATGTCGTCCCAAAAAA	21	81	21UR-2157
242664_adh	AATGTGTATGTCGTCCCAAAAAA	23	1	21UR-2157
2725074_adh	TTTGGGTTTGTCGGCTATTGC	21	131	21UR-2161
2725075_adh	TTTGGGTTTGTCGGCTATTGCT	22	2	21UR-2161
2672970_adh	TTGGTTGTGTTTACAAATGTG	21	2	21UR-2163
574752_adh	AGTTGGTTGTGTTTACAAATGTGCTG	26	1	21UR-2163
1861542_adh	TAGGAATATAGCATTAAATAA	21	7176	21UR-2164
1861544_adh	TAGGAATATAGCATTAAATAAG	22	2	21UR-2164
1861545_adh	TAGGAATATAGCATTAAATAAGCAT	25	1	21UR-2164
1766436_adh	TAACATTGTCGTAGAGGAACA	21	226	21UR-2172

1766437_adh	TAACATTGTCGTAGAGGAACAAAA	24	1	21UR-2172
1801630_adh	TAATGTCAGTTGAAAATGTGC	21	64	21UR-2173
1801631_adh	TAATGTCAGTTGAAAATGTGCA	22	1	21UR-2173
1874032_adh	TAGTACTGGCACTCTAGAGAA	21	141	21UR-2179
1874033_adh	TAGTACTGGCACTCTAGAGAAA	22	1	21UR-2179
1874034_adh	TAGTACTGGCACTCTAGAGAAAA	23	1	21UR-2179
1770978_adh	TAACTGACGATACGGCAATAT	21	1635	21UR-2187
584951_adh	ATAACTGACGATACGGCAATAT	22	1	21UR-2187
200208_adh	AATAACTGACGATACGGCAATAT	23	6	21UR-2187
1770980_adh	TAACTGACGATACGGCAATATCTGG	25	1	21UR-2187
2698943_adh	TTTATGACATGTTGGAGTTTT	21	1304	21UR-2200
2698945_adh	TTTATGACATGTTGGAGTTTTT	22	5	21UR-2200
1899393_adh	TATCTCACATCTATTATCATC	21	1	21UR-2206
1899394_adh	TATCTCACATCTATTATCATCA	22	1	21UR-2206
1812489_adh	TACAGGATCAGTGAAAGGTGA	21	296	21UR-2207
1812490_adh	TACAGGATCAGTGAAAGGTGAA	22	1	21UR-2207
1812492_adh	TACAGGATCAGTGAAAGGTGAAG	23	1	21UR-2207
1812493_adh	TACAGGATCAGTGAAAGGTGAAGT	24	1	21UR-2207
1812494_adh	TACAGGATCAGTGAAAGGTGAAGTG	25	1	21UR-2207
1850039_adh	TAGATAGAGACTGCATGATTT	21	15530	21UR-2235
1850044_adh	TAGATAGAGACTGCATGATTTT	22	18	21UR-2235
1850053_adh	TAGATAGAGACTGCATGATTTTT	23	3	21UR-2235
1850054_adh	TAGATAGAGACTGCATGATTTTTG	24	1	21UR-2235
1850055_adh	TAGATAGAGACTGCATGATTTTTGCT	26	1	21UR-2235
1970733_adh	TCATCCAAGGACAATGCGGAT	21	122	21UR-2236
1970735_adh	TCATCCAAGGACAATGCGGATT	22	1	21UR-2236
2309433_adh	TGCTGTCATGTTTCACTGGGT	21	14	21UR-2240
677952_adh	ATGCTGTCATGTTTCACTGGGT	22	1	21UR-2240
1932172_adh	TCAAAGAAAGCTTGACGGCA	21	210	21UR-2243
209555_adh	AATCAAAGAAAGCTTGACGGCA	23	1	21UR-2243
2073790_adh	TGAAACTCTTTTCTGATCGTC	21	16	21UR-2246
2073791_adh	TGAAACTCTTTTCTGATCGTCAA	23	1	21UR-2246
2545097_adh	TTAACATTTTTGGCATTITTCG	21	34	21UR-2261
2545098_adh	TTAACATTTTTGGCATTITTCGGACGA	26	1	21UR-2261
1831936_adh	TACTGAAGAAGACGGACAAAG	21	3821	21UR-2268
1831939_adh	TACTGAAGAAGACGGACAAAGC	22	5	21UR-2268
1831940_adh	TACTGAAGAAGACGGACAAAGCC	23	1	21UR-2268
204644_adh	AATACTGAAGAAGACGGACAAAG	23	2	21UR-2268
1812111_adh	TACAGATTCTGACAAAAATAA	21	108	21UR-2275
593108_adh	ATACAGATTCTGACAAAAATAA	22	1	21UR-2275
2018774_adh	TCGGTCGTTGTGCATAAAGTT	21	73	21UR-2286
2018775_adh	TCGGTCGTTGTGCATAAAGTTTAA	24	1	21UR-2286
2018776_adh	TCGGTCGTTGTGCATAAAGTTTAAA	25	1	21UR-2286
2542617_adh	TTAAATCACCATTTATCGTCTC	21	362	21UR-2287
2542618_adh	TTAAATCACCATTTATCGTCTCAA	23	2	21UR-2287
1986659_adh	TCCGGGAGATTTAATTATCAC	21	3	21UR-2293
215646_adh	AATCCGGGAGATTTAATTATCAC	23	1	21UR-2293
1854239_adh	TAGCACTCGGCATGTTTTTCT	21	2568	21UR-2305
1854240_adh	TAGCACTCGGCATGTTTTTCTAA	23	5	21UR-2305
2006292_adh	TCGCAGCTGAAAGATGTTTTG	21	3337	21UR-2308

2006293_adh	TCGCAGCTGAAAGATGTTTTGA	22	1	21UR-2308
2006294_adh	TCGCAGCTGAAAGATGTTTTGAA	23	15	21UR-2308
2284922_adh	TGCAATGTACAACAGGACAAT	21	421	21UR-2320
229169_adh	AATGCAATGTACAACAGGACAAT	23	1	21UR-2320
1888201_adh	TATAGCACTCGTTTGGGCATT	21	499	21UR-2322
1888203_adh	TATAGCACTCGTTTGGGCATTT	22	1	21UR-2322
2138790_adh	TGAATAGGCTGGCTTGATGGA	21	1303	21UR-2324
2138791_adh	TGAATAGGCTGGCTTGATGGAA	22	3	21UR-2324
2138792_adh	TGAATAGGCTGGCTTGATGGAAA	23	6	21UR-2324
2138793_adh	TGAATAGGCTGGCTTGATGGAAAAT	24	1	21UR-2324
1921286_adh	TATTAGAAGGAACGGCGGACA	21	2419	21UR-2325
1921288_adh	TATTAGAAGGAACGGCGGACAT	22	10	21UR-2325
619211_adh	ATATTAGAAGGAACGGCGGACA	22	4	21UR-2325
1773947_adh	TAAGAACTGGCTTCTGTGTGG	21	51	21UR-2327
1773948_adh	TAAGAACTGGCTTCTGTGTGGA	22	1	21UR-2327
1773949_adh	TAAGAACTGGCTTCTGTGTGGAA	23	1	21UR-2327
200311_adh	AATAAGAACTGGCTTCTGTGTGG	23	1	21UR-2327
1966988_adh	TCAGTGGATGTTAATTTCTGG	21	8	21UR-2330
1966989_adh	TCAGTGGATGTTAATTTCTGGA	22	1	21UR-2330
1843859_adh	TAGAATTCGTGATTACAAAAA	21	22	21UR-2343
1843860_adh	TAGAATTCGTGATTACAAAAA	22	1	21UR-2343
1843861_adh	TAGAATTCGTGATTACAAAAAAGTA	25	1	21UR-2343
2268391_adh	TGATATTGCATATTTTGGTGC	21	139	21UR-2366
227929_adh	AATGATATTGCATATTTTGGTGC	23	4	21UR-2366
2248625_adh	TGAGGTCTGCAACTTGTTCOA	21	424	21UR-2378
2248626_adh	TGAGGTCTGCAACTTGTTCOA	22	1	21UR-2378
227351_adh	AATGAGGTCTGCAACTTGTTCOA	23	1	21UR-2378
1975142_adh	TCATTTCTGCTTTAGGCTAAA	21	381	21UR-2388
631513_adh	ATCATTTCTGCTTTAGGCTAAA	22	1	21UR-2388
1988286_adh	TCCGTCGATTATTTTGCATA	21	343	21UR-2392
215748_adh	AATCCGTCGATTATTTTGCATA	23	16	21UR-2392
2583131_adh	TTATTGGCATATTTTGCACAAT	21	657	21UR-2407
2583133_adh	TTATTGGCATATTTTGCACAAT	22	1	21UR-2407
245858_adh	AATTATTGGCATATTTTGCACAAT	23	3	21UR-2407
1788156_adh	TAAGTCTTTGATGGTCATTTT	21	498	21UR-2422
1788157_adh	TAAGTCTTTGATGGTCATTTT	22	2	21UR-2422
200795_adh	AATAAGTCTTTGATGGTCATTTT	23	6	21UR-2422
2648419_adh	TTGCAACTTTGGTGTGATAGT	21	25	21UR-2423
251228_adh	AATTGCAACTTTGGTGTGATAGT	25	1	21UR-2423
1912733_adh	TATGCCCTTCACTGTGTGAAT	21	79	21UR-2433
1912734_adh	TATGCCCTTCACTGTGTGAAT	22	1	21UR-2433
2289704_adh	TGCATACAACGTTGCCGTATG	21	272	21UR-2436
673799_adh	ATGCATACAACGTTGCCGTATG	22	1	21UR-2436
229498_adh	AATGCATACAACGTTGCCGTATG	23	2	21UR-2436
1918915_adh	TATGTGAGAGAAAGTGACTCT	21	53	21UR-2444
618662_adh	ATATGTGAGAGAAAGTGACTCT	22	1	21UR-2444
2162030_adh	TGACGTAAAAATACTTTCTAA	21	39	21UR-2449
226423_adh	AATGACGTAAAAATACTTTCTAA	23	1	21UR-2449
2117138_adh	TGAAATTGTAGTAGACTGCTG	21	41347	21UR-2502
2117146_adh	TGAAATTGTAGTAGACTGCTG	22	55	21UR-2502

2117147_adh	TGAAATTGTAGTAGACTGCTGCC	23	2	21UR-2502
224140_adh	AATGAAATTGTAGTAGACTGCTG	23	6	21UR-2502
2117148_adh	TGAAATTGTAGTAGACTGCTGCCA	24	1	21UR-2502
2117149_adh	TGAAATTGTAGTAGACTGCTGCCAA	25	3	21UR-2502
1891155_adh	TATCAAACAGATGGCCCAAAA	21	58	21UR-2504
1891156_adh	TATCAAACAGATGGCCCAAAAT	22	1	21UR-2504
1860435_adh	TAGGAAAGCCCCACTATGCTG	21	2	21UR-2516
1860436_adh	TAGGAAAGCCCCACTATGCTGC	22	1	21UR-2516
2410137_adh	TGGCATTGCAAAATCTAGGGT	21	144	21UR-2523
2410138_adh	TGGCATTGCAAAATCTAGGGTGT	23	1	21UR-2523
1773724_adh	TAAGAACCCGTTAACAAGATC	21	7	21UR-2533
1773725_adh	TAAGAACCCGTTAACAAGATCGA	23	1	21UR-2533
2182153_adh	TGAGACAAGAAAGTTTTGGTT	21	4132	21UR-2543
2182156_adh	TGAGACAAGAAAGTTTTGGTTT	22	4	21UR-2543
2639623_adh	TTGAGACAAGAAAGTTTTGGTTT	23	1	21UR-2543
1760575_adh	TAAATCCATACCAGTAGGACA	21	281	21UR-2549
1760576_adh	TAAATCCATACCAGTAGGACAAAAA	25	1	21UR-2549
1845891_adh	TAGACTGATCTGACTGTAAGA	21	57	21UR-2555
1845892_adh	TAGACTGATCTGACTGTAAGAA	22	2	21UR-2555
2587195_adh	TTCAAGGAACCTAACGTTGGGA	21	1070	21UR-2572
2587198_adh	TTCAAGGAACCTAACGTTGGGAC	22	2	21UR-2572
711273_adh	ATTCAAGGAACCTAACGTTGGGA	22	2	21UR-2572
246019_adh	AATTCAAGGAACCTAACGTTGGGA	23	2	21UR-2572
2669863_adh	TTGGTAGGGAGGCAAACCTAGT	21	284	21UR-2582
253030_adh	AATTGGTAGGGAGGCAAACCTAGT	23	1	21UR-2582
2478982_adh	TGGTTTTATAGTAGTAGGCTC	21	2756	21UR-2589
2478988_adh	TGGTTTTATAGTAGTAGGCTCT	22	2	21UR-2589
2478991_adh	TGGTTTTATAGTAGTAGGCTCTTATG	26	1	21UR-2589
1847324_adh	TAGAGAATTTGTAGATGTCTC	21	585	21UR-2596
1847325_adh	TAGAGAATTTGTAGATGTCTCA	22	9	21UR-2596
1847327_adh	TAGAGAATTTGTAGATGTCTCAT	23	1	21UR-2596
2625919_adh	TTGAACACGGTTTCGGAATGT	21	34	21UR-2604
723275_adh	ATTGAACACGGTTTCGGAATGT	22	1	21UR-2604
2082266_adh	TGAAAGGCCAAAATAAGGATAA	21	169	21UR-2621
659943_adh	ATGAAAGGCCAAAATAAGGATAA	22	1	21UR-2621
1759752_adh	TAAATAGGTCGAACAAAAAAT	21	64	21UR-2625
1759753_adh	TAAATAGGTCGAACAAAAAATT	22	1	21UR-2625
1788185_adh	TAAGTCTTTTACTCCCGATTT	21	5	21UR-2628
200796_adh	AATAAGTCTTTTACTCCCGATTT	23	1	21UR-2628
2012418_adh	TCGGAGAGTGCGTTTATGTTTT	21	29	21UR-2637
646266_adh	ATCGGAGAGTGCGTTTATGTTTT	22	1	21UR-2637
1848270_adh	TAGAGGAATGATTATGTTAGC	21	174	21UR-2656
1848271_adh	TAGAGGAATGATTATGTTAGCA	22	1	21UR-2656
1939482_adh	TCAAGGAACCTAACGTTGGGAC	21	47	21UR-2657
1939483_adh	TCAAGGAACCTAACGTTGGGACA	22	1	21UR-2657
2610856_adh	TTCGGTTTCTCCATACAAATT	21	173	21UR-2663
2610858_adh	TTCGGTTTCTCCATACAAATTT	22	1	21UR-2663
718867_adh	ATTCGGTTTCTCCATACAAATT	22	1	21UR-2663
1829027_adh	TACGTTGACTTTGTGCAGTGA	21	277	21UR-2674
1829033_adh	TACGTTGACTTTGTGCAGTGATG	23	1	21UR-2674

1829034_adh	TACGTTGACTTTGTGCAGTGATGT	24	1	21UR-2674
1917818_adh	TATGTAGTAACGGTTGCTGTT	21	4029	21UR-2683
1613110_adh	GTATGTAGTAACGGTTGCTGTT	22	1	21UR-2683
1917822_adh	TATGTAGTAACGGTTGCTGTTG	22	1	21UR-2683
1917823_adh	TATGTAGTAACGGTTGCTGTTGT	23	2	21UR-2683
1917824_adh	TATGTAGTAACGGTTGCTGTTGTG	24	1	21UR-2683
1986252_adh	TCCGGCATTGATCTGTGGAGG	21	1713	21UR-2686
1986253_adh	TCCGGCATTGATCTGTGGAGGA	22	51	21UR-2686
1986254_adh	TCCGGCATTGATCTGTGGAGGAA	23	10	21UR-2686
2595669_adh	TTCCAAAGAACGCGGGATTTC	21	169	21UR-2706
2595670_adh	TTCCAAAGAACGCGGGATTCC	22	1	21UR-2706
2387649_adh	TGGATAAGTTGTATCTTCGGG	21	4590	21UR-2710
2387653_adh	TGGATAAGTTGTATCTTCGGGT	22	6	21UR-2710
2387656_adh	TGGATAAGTTGTATCTTCGGGTTT	24	1	21UR-2710
2387657_adh	TGGATAAGTTGTATCTTCGGGTTTAT	26	1	21UR-2710
1932555_adh	TCAAACACGCTGATTTTCGTGG	21	8	21UR-2711
1932556_adh	TCAAACACGCTGATTTTCGTGGA	22	1	21UR-2711
1844920_adh	TAGACACAGTTGATACGATTT	21	146	21UR-2729
1844924_adh	TAGACACAGTTGATACGATTTG	22	1	21UR-2729
1798976_adh	TAATCTTAGGCTGTGAAAAGA	21	48	21UR-2740
1798977_adh	TAATCTTAGGCTGTGAAAAGAA	22	1	21UR-2740
1860537_adh	TAGGAAAGGGGACTGCATTGT	21	437	21UR-2742
206561_adh	AATAGGAAAGGGGACTGCATTGT	23	1	21UR-2742
2658336_adh	TTGGACGAAATTGCAATATGT	21	681	21UR-2799
730524_adh	ATTGGACGAAATTGCAATATGT	22	1	21UR-2799
1787080_adh	TAAGGTTGGCGGGAGACAGTA	21	2209	21UR-2816
1787084_adh	TAAGGTTGGCGGGAGACAGTAT	22	23	21UR-2816
1962018_adh	TCAGATTTTGGACTACGATCG	21	58	21UR-2818
1962019_adh	TCAGATTTTGGACTACGATCGA	22	3	21UR-2818
1962021_adh	TCAGATTTTGGACTACGATCGAG	23	1	21UR-2818
1962022_adh	TCAGATTTTGGACTACGATCGAGTTA	26	1	21UR-2818
1822171_adh	TACGACCAAAAATGAGATTGA	21	1034	21UR-2829
1822173_adh	TACGACCAAAAATGAGATTGAG	22	6	21UR-2829
1822175_adh	TACGACCAAAAATGAGATTGAGT	23	2	21UR-2829
2596280_adh	TTCCACGGCTGAACAGGACAA	21	1696	21UR-2834
2596285_adh	TTCCACGGCTGAACAGGACAAT	22	5	21UR-2834
1568629_adh	GGTTCCACGGCTGAACAGGACAA	23	1	21UR-2834
2596286_adh	TTCCACGGCTGAACAGGACAATA	23	1	21UR-2834
1798705_adh	TAATCTACAAAGCAGGGAAAA	21	138	21UR-2854
589190_adh	ATAATCTACAAAGCAGGGAAAA	22	1	21UR-2854
1964258_adh	TCAGGCTTCGCTTCTAGTTGG	21	9	21UR-2857
1964259_adh	TCAGGCTTCGCTTCTAGTTGGA	22	1	21UR-2857
1964260_adh	TCAGGCTTCGCTTCTAGTTGGAA	23	1	21UR-2857
1814183_adh	TACATTAGAATGAGAAATTAA	21	248	21UR-2861
594054_adh	ATACATTAGAATGAGAAATTAA	22	1	21UR-2861
1812260_adh	TACAGCCCCTGCCATCTAGT	21	4	21UR-2862
1812261_adh	TACAGCCCCTGCCATCTAGTAAA	24	1	21UR-2862
2285404_adh	TGCAATCAAGAAGATAACGC	21	175	21UR-2863
672823_adh	ATGCAATCAAGAAGATAACGC	22	1	21UR-2863
2601132_adh	TTCTTACGAAATCTCCATAA	21	41	21UR-2871

715841_adh	ATTCCTTACGAAATCTCCATAA	22	1	21UR-2871
246804_adh	AATTCCTTACGAAATCTCCATAA	23	1	21UR-2871
2601133_adh	TTCCTTACGAAATCTCCATAATT	23	1	21UR-2871
2309654_adh	TGCTGTGTAGGGCTATAATAA	21	1549	21UR-2872
2309655_adh	TGCTGTGTAGGGCTATAATAAA	22	2	21UR-2872
2309656_adh	TGCTGTGTAGGGCTATAATAAAA	23	4	21UR-2872
2309657_adh	TGCTGTGTAGGGCTATAATAAAAC	24	1	21UR-2872
2123971_adh	TGAACTACTAAAGACAGGAAA	21	434	21UR-2900
2123973_adh	TGAACTACTAAAGACAGGAAAT	22	1	21UR-2900
1834358_adh	TACTGTTTGCTTCTTTTTTGA	21	12	21UR-2904
1834359_adh	TACTGTTTGCTTCTTTTTTTGAA	22	3	21UR-2904
2458960_adh	TGGGTGGTGGATGTGTACAAT	21	287	21UR-2906
2458961_adh	TGGGTGGTGGATGTGTACAATATAC	25	1	21UR-2906
2668571_adh	TTGGGTGGTGGATGTGTACAATATA	25	1	21UR-2906
2130932_adh	TGAAGCATGCATATCGGTCTG	21	6942	21UR-2909
2130933_adh	TGAAGCATGCATATCGGTCTGA	22	9	21UR-2909
662004_adh	ATGAAGCATGCATATCGGTCTG	22	2	21UR-2909
2130935_adh	TGAAGCATGCATATCGGTCTGAT	23	1	21UR-2909
224558_adh	AATGAAGCATGCATATCGGTCTG	23	16	21UR-2909
2289365_adh	TGCAGTTAAGGCTATTATTTTC	21	96	21UR-2910
229480_adh	AATGCAGTTAAGGCTATTATTTTC	23	1	21UR-2910
1823675_adh	TACGAGTTGTGCACTTTGGAA	21	22	21UR-2916
1823678_adh	TACGAGTTGTGCACTTTGGAAAAT	24	1	21UR-2916
2504319_adh	TGTGACGTTGAAATGAGTGCC	21	3007	21UR-2917
2504320_adh	TGTGACGTTGAAATGAGTGCCA	22	102	21UR-2917
2504322_adh	TGTGACGTTGAAATGAGTGCCAC	23	21	21UR-2917
2504323_adh	TGTGACGTTGAAATGAGTGCCACA	24	2	21UR-2917
2671775_adh	TTGGTTCAAAAATGAAGCTGT	21	494	21UR-2929
1115317_adh	CTTGGTTCAAAAATGAAGCTGT	22	1	21UR-2929
2671777_adh	TTGGTTCAAAAATGAAGCTGTC	22	2	21UR-2929
1806070_adh	TAATTTTGTAGGACTTCAATT	21	57	21UR-2934
1806071_adh	TAATTTTGTAGGACTTCAATTT	22	1	21UR-2934
1756867_adh	TAAAGATAGCTGTTTATATTT	21	175	21UR-2940
1024752_adh	CTAAAGATAGCTGTTTATATTT	22	1	21UR-2940
2296435_adh	TGCGACCGCGATACTTCTAAA	21	491	21UR-2943
2296436_adh	TGCGACCGCGATACTTCTAAAA	22	2	21UR-2943
675700_adh	ATGCGACCGCGATACTTCTAAA	22	1	21UR-2943
2296437_adh	TGCGACCGCGATACTTCTAAAAA	23	1	21UR-2943
1889381_adh	TATAGTTTCTCGACGGTGTGT	21	2976	21UR-2949
1889389_adh	TATAGTTTCTCGACGGTGTGTT	22	4	21UR-2949
1911881_adh	TATGATTAGGCGTTAGCAAAA	21	67	21UR-2977
1911882_adh	TATGATTAGGCGTTAGCAAAAAA	23	1	21UR-2977
2525636_adh	TGTTATTTGAATCAGACGACT	21	3586	21UR-3016
700430_adh	ATGTTATTTGAATCAGACGACT	22	1	21UR-3016
2590262_adh	TTCAGAAAGTAAGTGAAGCAA	21	63	21UR-3017
246128_adh	AATTCAGAAAGTAAGTGAAGCAA	23	2	21UR-3017
2296820_adh	TGCGACTTACGTTCTGTCCGA	21	243	21UR-3051
2296821_adh	TGCGACTTACGTTCTGTCCGAA	22	3	21UR-3051
2296822_adh	TGCGACTTACGTTCTGTCCGAAA	23	2	21UR-3051
1937924_adh	TCAACTTCAGATACGTAGTGA	21	696	21UR-3052

1937928_adh	TCAACTTCAGATACGTAGTGAT	22	2	21UR-3052
1829550_adh	TACTACATTTTCACGAAATCA	21	165	21UR-3054
204480_adh	AATACTACATTTTCACGAAATCA	23	4	21UR-3054
2586134_adh	TTCAACGTGTATGTTCCGGGTT	21	30	21UR-3059
245971_adh	AATTC AACGTGTATGTTCCGGGTT	23	1	21UR-3059
1985580_adh	TCCGCTTCCATTGCTGAATGA	21	9	21UR-3071
1985581_adh	TCCGCTTCCATTGCTGAATGAC	22	2	21UR-3071
2586055_adh	TTCAACGGCTGTACAAAAAGA	21	352	21UR-3074
2586056_adh	TTCAACGGCTGTACAAAAAGAAA	23	4	21UR-3074
2034783_adh	TCTATGTTGGCAATAAGCGGA	21	751	21UR-3078
2034784_adh	TCTATGTTGGCAATAAGCGGAA	22	1	21UR-3078
2034785_adh	TCTATGTTGGCAATAAGCGGAAA	23	5	21UR-3078
1924398_adh	TATTCGGAGGATTCAGCCTGC	21	3	21UR-3079
1924399_adh	TATTCGGAGGATTCAGCCTGCAA	23	1	21UR-3079
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2288828_adh	TGCAGTCACAAGAGGATTCACGA	23	2	21UR-3084
1827827_adh	TACGTAGACGCCTTTAAAAGC	21	805	21UR-3085
1827828_adh	TACGTAGACGCCTTTAAAAGCAA	23	1	21UR-3085
204228_adh	AATACGTAGACGCCTTTAAAAGC	23	2	21UR-3085
1827829_adh	TACGTAGACGCCTTTAAAAGCAA	24	1	21UR-3085
1917926_adh	TATGTAGTAATATGGGGATGG	21	3328	21UR-3106
1613111_adh	GTATGTAGTAATATGGGGATGG	22	1	21UR-3106
1917927_adh	TATGTAGTAATATGGGGATGGA	22	3	21UR-3106
1917929_adh	TATGTAGTAATATGGGGATGGAT	23	3	21UR-3106
2273579_adh	TGATGTGCAGGTCGCTTATGA	21	37	21UR-3112
228428_adh	AATGATGTGCAGGTCGCTTATGA	23	2	21UR-3112
2273580_adh	TGATGTGCAGGTCGCTTATGAAGA	24	1	21UR-3112
1875027_adh	TAGTAGTTTGTGCGATATATAT	21	675	21UR-3114
1875028_adh	TAGTAGTTTGTGCGATATATATA	22	2	21UR-3114
2286064_adh	TGCACAGGAGCAGCTTATTGT	21	34	21UR-3119
672916_adh	ATGCACAGGAGCAGCTTATTGT	22	1	21UR-3119
229204_adh	AATGCACAGGAGCAGCTTATTGT	23	1	21UR-3119
2037772_adh	TCTCAGTCGTTGATACATTGA	21	1406	21UR-3122
653311_adh	ATCTCAGTCGTTGATACATTGA	22	1	21UR-3122
1798941_adh	TAATCTGTTAACATCCGAATA	21	3	21UR-3123
201290_adh	AATAATCTGTTAACATCCGAATA	23	1	21UR-3123
1959850_adh	TCAGATACTGGTCCTTGAAAA	21	385	21UR-3124
1959852_adh	TCAGATACTGGTCCTTGAAAAT	22	1	21UR-3124
1959854_adh	TCAGATACTGGTCCTTGAAAATT	23	1	21UR-3124
2492297_adh	TGTATGTAAAACTTTACGGCA	21	15096	21UR-3129
2492298_adh	TGTATGTAAAACTTTACGGCAA	22	8	21UR-3129
695590_adh	ATGTATGTAAAACTTTACGGCA	22	8	21UR-3129
240900_adh	AATGTATGTAAAACTTTACGGCA	23	15	21UR-3129
2492301_adh	TGTATGTAAAACTTTACGGCAATA	24	2	21UR-3129
2492302_adh	TGTATGTAAAACTTTACGGCAATAT	25	3	21UR-3129
1920898_adh	TATTACGGCCGTACAGCAAAT	21	125	21UR-3168
1920899_adh	TATTACGGCCGTACAGCAAATT	22	1	21UR-3168
1872532_adh	TAGGTTGTTTCGTAGCAGTGCT	21	62	21UR-3173
1872533_adh	TAGGTTGTTTCGTAGCAGTGCTG	22	1	21UR-3173
206961_adh	AATAGGTTGTTTCGTAGCAGTGCT	23	1	21UR-3173

2010522_adh	TCGGAACATAAAGAATGAACA	21	251	21UR-3180
1052088_adh	CTCGGAACATAAAGAATGAACA	22	1	21UR-3180
2010524_adh	TCGGAACATAAAGAATGAACAT	22	1	21UR-3180
334965_adh	ACTCGGAACATAAAGAATGAACAT	24	1	21UR-3180
2010526_adh	TCGGAACATAAAGAATGAACATTAT	25	1	21UR-3180
2295734_adh	TGCGAAGACTTTACATATCGT	21	661	21UR-3183
2295735_adh	TGCGAAGACTTTACATATCGTT	22	1	21UR-3183
2651731_adh	TTGCGAAGACTTTACATATCGT	22	1	21UR-3183
2061430_adh	TCTTTCTGTGGAAGCGTTTGA	21	2168	21UR-3184
2061443_adh	TCTTTCTGTGGAAGCGTTTGAT	22	9	21UR-3184
2061444_adh	TCTTTCTGTGGAAGCGTTTGATA	23	2	21UR-3184
2608649_adh	TTCGGCTACATTTCTCTCTTC	21	196	21UR-3191
2608651_adh	TTCGGCTACATTTCTCTCTTCC	22	1	21UR-3191
247479_adh	AATTCGGCTACATTTCTCTCTTC	23	2	21UR-3191
2558153_adh	TTACGTTGATCGACTAGTTCC	21	109	21UR-3196
2558155_adh	TTACGTTGATCGACTAGTTCCT	22	1	21UR-3196
705725_adh	ATTACGTTGATCGACTAGTTCC	22	1	21UR-3196
1814243_adh	TACATTATTGGCATATATAAC	21	9	21UR-3198
1814244_adh	TACATTATTGGCATATATAACT	22	1	21UR-3198
2475025_adh	TGGTTCCTCATTGAAGATTGA	21	7	21UR-3200
2672078_adh	TTGGTTCCTCATTGAAGATTGAA	23	1	21UR-3200
2421249_adh	TGGGACACACTTTTGGTTTTA	21	59	21UR-3203
237809_adh	AATGGGACACACTTTTGGTTTTA	23	1	21UR-3203
1787340_adh	TAAGTAACGGACTTTTCAATT	21	779	21UR-3213
200737_adh	AATAAGTAACGGACTTTTCAATT	23	4	21UR-3213
1787342_adh	TAAGTAACGGACTTTTCAATTACAT	25	2	21UR-3213
1863917_adh	TAGGAGGAAGCATTGTGCATA	21	1918	21UR-3219
1863918_adh	TAGGAGGAAGCATTGTGCATAA	22	2	21UR-3219
1863920_adh	TAGGAGGAAGCATTGTGCATAAC	23	1	21UR-3219
2119707_adh	TGAACAAGCGACTGCATAAAG	21	2026	21UR-3224
1062890_adh	CTGAACAAGCGACTGCATAAAG	22	3	21UR-3224
2119708_adh	TGAACAAGCGACTGCATAAAGAA	23	3	21UR-3224
2119709_adh	TGAACAAGCGACTGCATAAAGAAT	24	2	21UR-3224
2119710_adh	TGAACAAGCGACTGCATAAAGAATA	25	1	21UR-3224
2119711_adh	TGAACAAGCGACTGCATAAAGAATAA	26	2	21UR-3224
1851864_adh	TAGATTAAGTGTTAGGCTATGA	21	141	21UR-3238
604437_adh	ATAGATTAAGTGTTAGGCTATGA	22	1	21UR-3238
1789674_adh	TAAGTTTGAAAGATTTGAAGG	21	41	21UR-3242
1789675_adh	TAAGTTTGAAAGATTTGAAGGC	22	1	21UR-3242
2253312_adh	TGAGTGAACCTTATCAGCAGGC	21	475	21UR-3246
2642665_adh	TTGAGTGAACCTTATCAGCAGGC	22	37	21UR-3246
2253318_adh	TGAGTGAACCTTATCAGCAGGCCGGG	24	1	21UR-3246
2642668_adh	TTGAGTGAACCTTATCAGCAGGCCGGG	25	1	21UR-3246
1915304_adh	TATGGCACGTCATTTTATAAA	21	21	21UR-3248
1915305_adh	TATGGCACGTCATTTTATAAAT	22	1	21UR-3248
1929666_adh	TATTTTCATGTCTTCGGTTTCA	21	1064	21UR-3260
1929667_adh	TATTTTCATGTCTTCGGTTTCAT	22	1	21UR-3260
1897417_adh	TATCGCGCCTTGGAATGGATA	21	77	21UR-3267
1897418_adh	TATCGCGCCTTGGAATGGATAA	22	1	21UR-3267
1882914_adh	TAGTTTCCTCCAACACGGCA	21	44	21UR-3269

1882915_adh	TAGTTTCCTCCAAACACGGCAA	22	1	21UR-3269
2303995_adh	TGCGTCTGACAAGGAAAGGAA	21	287	21UR-3282
2303998_adh	TGCGTCTGACAAGGAAAGGAAGT	23	2	21UR-3282
2419941_adh	TGGGAAGTTTGGTCTTACGGC	21	458	21UR-3292
2419942_adh	TGGGAAGTTTGGTCTTACGGCA	22	2	21UR-3292
2419943_adh	TGGGAAGTTTGGTCTTACGGCAA	23	9	21UR-3292
2419944_adh	TGGGAAGTTTGGTCTTACGGCAAA	24	1	21UR-3292
2169476_adh	TGACTGACTGACACTACTAGA	21	122	21UR-3324
2169477_adh	TGACTGACTGACACTACTAGAA	22	3	21UR-3324
2277470_adh	TGATTGTTGATTGTCTGTTTTTC	21	1694	21UR-3330
2277471_adh	TGATTGTTGATTGTCTGTTTTCAA	23	3	21UR-3330
1900379_adh	TATCTTCGTTTTGGCAATAAC	21	839	21UR-3336
1900380_adh	TATCTTCGTTTTGGCAATAACT	22	1	21UR-3336
1978231_adh	TCCAGATGATGAACGGTAATT	21	5564	21UR-3339
1978232_adh	TCCAGATGATGAACGGTAATTA	22	1	21UR-3339
1978234_adh	TCCAGATGATGAACGGTAATTAC	23	1	21UR-3339
1978235_adh	TCCAGATGATGAACGGTAATTACAA	25	1	21UR-3339
1908510_adh	TATGACTAGTGCAAATTTCTG	21	20	21UR-3344
1908512_adh	TATGACTAGTGCAAATTTCTGTT	23	1	21UR-3344
1962078_adh	TCAGCAAATGATACAAAATTG	21	2	21UR-3350
1962079_adh	TCAGCAAATGATACAAAATTGA	22	1	21UR-3350
1912002_adh	TATGATTGACCGAATAATTGA	21	29	21UR-3356
1912004_adh	TATGATTGACCGAATAATTGAAAT	24	1	21UR-3356
2004213_adh	TCGATGGCTATGTGGACTATT	21	175	21UR-3363
2004214_adh	TCGATGGCTATGTGGACTATTT	22	3	21UR-3363
2004215_adh	TCGATGGCTATGTGGACTATTTAGA	25	1	21UR-3363
2584324_adh	TTATTTGTGTGCCGTCGTTGG	21	1446	21UR-3375
2584328_adh	TTATTTGTGTGCCGTCGTTGGT	22	3	21UR-3375
2584332_adh	TTATTTGTGTGCCGTCGTTGGTT	23	1	21UR-3375
1830322_adh	TACTAGTCCTATCAACTGAGA	21	26	21UR-3379
1830323_adh	TACTAGTCCTATCAACTGAGATAC	24	1	21UR-3379
2307887_adh	TGCTCTGGACAGAACGTTAGT	21	395	21UR-3381
2307889_adh	TGCTCTGGACAGAACGTTAGTT	22	1	21UR-3381
677408_adh	ATGCTCTGGACAGAACGTTAGT	22	2	21UR-3381
625414_adh	ATCAATTTTGGTAATTAATCCG	22	1	21UR-3386
2126432_adh	TGAACTTAGAGCTAGACAATC	21	526	21UR-3387
2126433_adh	TGAACTTAGAGCTAGACAATCGG	23	2	21UR-3387
2644893_adh	TTGATGATTGAAAGTTGTGCG	21	46	21UR-3395
251029_adh	AATTGATGATTGAAAGTTGTGCG	23	4	21UR-3395
2644895_adh	TTGATGATTGAAAGTTGTGCGTTT	24	1	21UR-3395
2258857_adh	TGATAAGCTATGAAAAGAACG	21	278	21UR-3399
2258858_adh	TGATAAGCTATGAAAAGAACGG	22	2	21UR-3399
227606_adh	AATGATAAGCTATGAAAAGAACG	23	1	21UR-3399
2390247_adh	TGGATCTAAAATTTGTAGAAC	21	201	21UR-3405
233239_adh	AATGGATCTAAAATTTGTAGAAC	23	1	21UR-3405
2593866_adh	TTCATCAAGCTAAAATCAGAA	21	77	21UR-3407
712728_adh	ATTCATCAAGCTAAAATCAGAA	22	2	21UR-3407
246253_adh	AATTCATCAAGCTAAAATCAGAA	23	5	21UR-3407
2593867_adh	TTCATCAAGCTAAAATCAGAAAA	23	1	21UR-3407
1868279_adh	TAGGGAATGACTTTTTTCCCT	21	8	21UR-3445

206771_adh	AATAGGGAATGACTTTTTCCCT	23	1	21UR-3445
2420769_adh	TGGGAATGATAAATGAATGAA	21	11	21UR-3467
2420770_adh	TGGGAATGATAAATGAATGAAGA	23	1	21UR-3467
1865820_adh	TAGGATGGTACTATTTTCATTC	21	660	21UR-3468
607327_adh	ATAGGATGGTACTATTTTCATTC	22	2	21UR-3468
1865821_adh	TAGGATGGTACTATTTTCATTCAA	23	1	21UR-3468
1777123_adh	TAAGAGGAGATAACGAACTGA	21	3007	21UR-3470
1777131_adh	TAAGAGGAGATAACGAACTGAT	22	7	21UR-3470
586105_adh	ATAAGAGGAGATAACGAACTGA	22	2	21UR-3470
1777138_adh	TAAGAGGAGATAACGAACTGATTG	24	2	21UR-3470
1777139_adh	TAAGAGGAGATAACGAACTGATTGT	25	5	21UR-3470
1814873_adh	TACCAATCTTCTTATTATTGG	21	8	21UR-3486
203523_adh	AATACCAATCTTCTTATTATTGG	23	1	21UR-3486
1830720_adh	TACTATTCTGGCCAACCTTGA	21	26	21UR-3498
1830724_adh	TACTATTCTGGCCAACCTTGAC	22	1	21UR-3498
1928262_adh	TATTGTTATTTGATTGGCATG	21	2851	21UR-3502
621736_adh	ATATTGTTATTTGATTGGCATG	22	2	21UR-3502
209372_adh	AATATTGTTATTTGATTGGCATG	23	45	21UR-3502
2569676_adh	TTAGTAAACTGGTAGACAATA	21	26	21UR-3509
244978_adh	AATTAGTAAACTGGTAGACAATA	23	1	21UR-3509
2486733_adh	TGTACCTTTGTAGATTGCTTT	21	357	21UR-3522
2486734_adh	TGTACCTTTGTAGATTGCTTTA	22	3	21UR-3522
2486735_adh	TGTACCTTTGTAGATTGCTTTAA	23	31	21UR-3522
2486736_adh	TGTACCTTTGTAGATTGCTTTAAA	24	1	21UR-3522
2184689_adh	TGAGACTGCCGAAACAACCTCA	21	118	21UR-3527
2184690_adh	TGAGACTGCCGAAACAACCTCAG	22	1	21UR-3527
226877_adh	AATGAGACTGCCGAAACAACCTCA	23	1	21UR-3527
2182984_adh	TGAGACATAGTTAGGCACAAA	21	654	21UR-3530
2182988_adh	TGAGACATAGTTAGGCACAAAAG	22	10	21UR-3530
2182989_adh	TGAGACATAGTTAGGCACAAAAGT	23	8	21UR-3530
1833170_adh	TACTGGAATTTTATTGTAACCT	21	42	21UR-3538
1833171_adh	TACTGGAATTTTATTGTAACCTAT	23	1	21UR-3538
2136401_adh	TGAATAAAGGCCGAAGGCAAA	21	74	21UR-3559
1065031_adh	CTGAATAAAGGCCGAAGGCAAA	22	1	21UR-3559
2136404_adh	TGAATAAAGGCCGAAGGCAAAC	22	1	21UR-3559
1884735_adh	TATAACGGTTAACTTAGAGCC	21	58	21UR-3573
1884736_adh	TATAACGGTTAACTTAGAGCCA	22	2	21UR-3573
1824233_adh	TACGATGGATATTTTGTGGT	21	288	21UR-3581
596459_adh	ATACGATGGATATTTTGTGGT	22	1	21UR-3581
204021_adh	AATACGATGGATATTTTGTGGT	23	1	21UR-3581
2141581_adh	TGAATCATGTAGAATTGTCAA	21	39136	21UR-3588
2141582_adh	TGAATCATGTAGAATTGTCAAA	22	4	21UR-3588
2141583_adh	TGAATCATGTAGAATTGTCAAAA	23	26	21UR-3588
2141585_adh	TGAATCATGTAGAATTGTCAAAAAG	24	2	21UR-3588
2141586_adh	TGAATCATGTAGAATTGTCAAAAAGT	25	8	21UR-3588
2141587_adh	TGAATCATGTAGAATTGTCAAAAAGTA	26	2	21UR-3588
2031713_adh	TCTACGGCTTGAGAAAAACC	21	687	21UR-3601
2031714_adh	TCTACGGCTTGAGAAAAACCT	22	1	21UR-3601
2031717_adh	TCTACGGCTTGAGAAAAACCTTT	24	1	21UR-3601
2031718_adh	TCTACGGCTTGAGAAAAACCTTTTG	26	1	21UR-3601

2075571_adh	TGAAAGAATGCAGAAATTATG	21	2464	21UR-3604
1062393_adh	CTGAAAGAATGCAGAAATTATG	22	1	21UR-3604
2075574_adh	TGAAAGAATGCAGAAATTATGC	22	2	21UR-3604
2075575_adh	TGAAAGAATGCAGAAATTATGCGAA	25	1	21UR-3604
2731174_adh	TTTGTTGACGTATACGCAATT	21	1789	21UR-3613
1123657_adh	CTTTGTTGACGTATACGCAATT	22	1	21UR-3613
1748207_adh	TAAAACGAGAACTGGCATGAT	21	806	21UR-3636
198766_adh	AATAAACGAGAACTGGCATGAT	23	2	21UR-3636
1748209_adh	TAAAACGAGAACTGGCATGATACT	24	2	21UR-3636
1863417_adh	TAGGAGAAACAAGTGTGTTGT	21	107	21UR-3639
206612_adh	AATAGGAGAAACAAGTGTGTTGT	23	1	21UR-3639
2320152_adh	TGGAACGATGTGCAACGAAAA	21	2946	21UR-3642
1076015_adh	CTGGAACGATGTGCAACGAAAA	22	7	21UR-3642
2320156_adh	TGGAACGATGTGCAACGAAAAT	22	25	21UR-3642
2320161_adh	TGGAACGATGTGCAACGAAAATT	23	2	21UR-3642
2320162_adh	TGGAACGATGTGCAACGAAAATTAT	25	1	21UR-3642
343495_adh	ACTGGAACGATGTGCAACGAAAATT	25	1	21UR-3642
1813046_adh	TACATAAGCGGTAAGAGTCCA	21	244	21UR-3644
1813047_adh	TACATAAGCGGTAAGAGTCCAGAAT	25	1	21UR-3644
1962084_adh	TCAGCAACCATCGTGTCCCAA	21	2	21UR-3649
213445_adh	AATCAGCAACCATCGTGTCCCAA	23	1	21UR-3649
2041640_adh	TCTCGTGGATAAATAAGCATT	21	1320	21UR-3651
1058260_adh	CTCTCGTGGATAAATAAGCATT	22	1	21UR-3651
2041642_adh	TCTCGTGGATAAATAAGCATTT	22	3	21UR-3651
2041647_adh	TCTCGTGGATAAATAAGCATTTGA	24	2	21UR-3651
2301714_adh	TGCGGCGTAGATATGACATGA	21	43	21UR-3660
2301715_adh	TGCGGCGTAGATATGACATGAT	22	2	21UR-3660
2616367_adh	TTCTCCTACTTTCCAGGCAGA	21	63	21UR-3667
248827_adh	AATTCTCCTACTTTCCAGGCAGA	23	1	21UR-3667
2616368_adh	TTCTCCTACTTTCCAGGCAGAAA	23	2	21UR-3667
2030683_adh	TCTAATGCAGAAATTTTGTTTC	21	1000	21UR-3681
2030684_adh	TCTAATGCAGAAATTTTGTTCA	22	1	21UR-3681
2030686_adh	TCTAATGCAGAAATTTTGTTTCA	23	1	21UR-3681
2030687_adh	TCTAATGCAGAAATTTTGTTCACT	24	1	21UR-3681
1812881_adh	TACAGTTAGAGAAGCATTAAAC	21	48	21UR-3685
1812882_adh	TACAGTTAGAGAAGCATTAAACATTT	25	1	21UR-3685
1853081_adh	TAGCAACGGTATTGTAATCAA	21	1057	21UR-3692
1853082_adh	TAGCAACGGTATTGTAATCAAAAAT	25	2	21UR-3692
2152464_adh	TGACAATGTAGCGTTAGCAAT	21	318	21UR-3708
2152465_adh	TGACAATGTAGCGTTAGCAATA	22	1	21UR-3708
1834944_adh	TACTTCGTGGCTAACTATCGT	21	52	21UR-3716
1834945_adh	TACTTCGTGGCTAACTATCGTA	22	1	21UR-3716
1868955_adh	TAGGGCTTTCTACTTTTTTTGA	21	5	21UR-3717
1868956_adh	TAGGGCTTTCTACTTTTTTTGAA	22	2	21UR-3717
2738933_adh	TTTTCGTTGTGGACAATTTGG	21	1745	21UR-3730
2738942_adh	TTTTCGTTGTGGACAATTTGGT	22	10	21UR-3730
2738943_adh	TTTTCGTTGTGGACAATTTGGTAT	24	19	21UR-3730
2738945_adh	TTTTCGTTGTGGACAATTTGGTATT	25	12	21UR-3730
1789011_adh	TAAGTTAGGCGTAATACTTGT	21	643	21UR-3742
539978_adh	AGTAAGTTAGGCGTAATACTTGT	23	1	21UR-3742

2323594_adh	TGGAAGCTTGATGGAAAATGC	21	1033	21UR-3766
2323595_adh	TGGAAGCTTGATGGAAAATGCA	22	1	21UR-3766
2323596_adh	TGGAAGCTTGATGGAAAATGCAA	23	2	21UR-3766
2323597_adh	TGGAAGCTTGATGGAAAATGCAAA	24	1	21UR-3766
2149922_adh	TGACAACGGCTTTGTGAGAAA	21	1469	21UR-3775
2149923_adh	TGACAACGGCTTTGTGAGAAAA	22	6	21UR-3775
2149924_adh	TGACAACGGCTTTGTGAGAAAAA	23	5	21UR-3775
1996293_adh	TCGAAGATGACGATGACCTTA	21	2014	21UR-3779
1996294_adh	TCGAAGATGACGATGACCTTAA	22	1	21UR-3779
2296296_adh	TGCGACACCGATAAGAGAACA	21	41	21UR-3788
2296297_adh	TGCGACACCGATAAGAGAACAAA	23	3	21UR-3788
1912228_adh	TATGATTTTCATCAGATGGTTC	21	8	21UR-3798
208576_adh	AATATGATTTTCATCAGATGGTTC	23	1	21UR-3798
2374477_adh	TGGACCAAGGATAATGTCAGC	21	2502	21UR-3802
2374480_adh	TGGACCAAGGATAATGTCAGCC	22	1	21UR-3802
2568304_adh	TTAGGATTAGTTGTACAGCCC	21	1371	21UR-3805
2568306_adh	TTAGGATTAGTTGTACAGCCCT	22	1	21UR-3805
2670298_adh	TTGGTCGTCGATCAGGCAAAG	21	29	21UR-3808
2670299_adh	TTGGTCGTCGATCAGGCAAAGT	22	1	21UR-3808
2470224_adh	TGGTCTGCCAAAGAACACGTT	21	313	21UR-3819
2470226_adh	TGGTCTGCCAAAGAACACGTTGT	23	1	21UR-3819
2658967_adh	TTGGACTGTTCCACGTGAAAA	21	1604	21UR-3863
2658968_adh	TTGGACTGTTCCACGTGAAAAA	22	10	21UR-3863
2658969_adh	TTGGACTGTTCCACGTGAAAAAA	23	5	21UR-3863
1910009_adh	TATGATAATTTGGTTACTCGA	21	47	21UR-3866
1910010_adh	TATGATAATTTGGTTACTCGAT	22	1	21UR-3866
2529487_adh	TGTTGCGAAATTTTCAAAGTC	21	1	21UR-3891
243142_adh	AATGTTGCGAAATTTTCAAAGTC	23	1	21UR-3891
2251929_adh	TGAGTAGGGCATTGGATTACT	21	398	21UR-3898
2251930_adh	TGAGTAGGGCATTGGATTACTAAT	24	1	21UR-3898
2481985_adh	TGTAAGAGTTGAAAAGGAGAA	21	612	21UR-3901
2481987_adh	TGTAAGAGTTGAAAAGGAGAAAT	22	2	21UR-3901
1946314_adh	TCACATTCTTGTCCCTCTGTAC	21	21	21UR-3902
1946315_adh	TCACATTCTTGTCCCTCTGTACGAC	24	1	21UR-3902
2657503_adh	TTGGAATCAATTGTTGTTGGA	21	186	21UR-3904
2657504_adh	TTGGAATCAATTGTTGTTGGAA	22	1	21UR-3904
1786121_adh	TAAGGGTACCATTTTTTCTAC	21	7	21UR-3916
200641_adh	AATAAGGGTACCATTTTTTCTAC	23	1	21UR-3916
2602304_adh	TTCGAAGGTCAACAAAATATT	21	17	21UR-3920
246902_adh	AATTCGAAGGTCAACAAAATATT	23	1	21UR-3920
1849152_adh	TAGAGTGATATGTTGAGAACA	21	297	21UR-3926
1849153_adh	TAGAGTGATATGTTGAGAACAA	22	1	21UR-3926
1849154_adh	TAGAGTGATATGTTGAGAACAAAT	24	1	21UR-3926
1997060_adh	TCGAATACTTTAAAAATTCAA	21	15	21UR-3927
639556_adh	ATCGAATACTTTAAAAATTCAA	22	1	21UR-3927
217072_adh	AATCGAATACTTTAAAAATTCAA	23	1	21UR-3927
2648650_adh	TTGCAAGGATTTTGGTGATAA	21	656	21UR-3929
2648652_adh	TTGCAAGGATTTTGGTGATAAT	22	1	21UR-3929
1799506_adh	TAATGACGTTTTTTCCTCTGA	21	57	21UR-3937
1799507_adh	TAATGACGTTTTTTCCTCTGAA	22	8	21UR-3937

2611322_adh	TTCGTAGCCTTGTGTCAGTTAAT	21	18	21UR-3949
247648_adh	AATTCGTAGCCTTGTGTCAGTTAAT	23	1	21UR-3949
1767872_adh	TAACGACGTTGTATAGGAATA	21	648	21UR-3957
1767873_adh	TAACGACGTTGTATAGGAATAAAA	23	1	21UR-3957
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214658_adh	AATCCAACACAGAAATTGCCAGG	23	1	21UR-3959
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1877439_adh	TAGTGAATTCGGATTCGTTCTC	22	1	21UR-3964
2286867_adh	TGCACTTATTGAATCGACTGA	21	130	21UR-3971
2286868_adh	TGCACTTATTGAATCGACTGAA	22	1	21UR-3971
229306_adh	AATGCACTTATTGAATCGACTGA	23	1	21UR-3971
2502645_adh	TGTGAAGTTGGGATAGGTATC	21	2389	21UR-3972
2502651_adh	TGTGAAGTTGGGATAGGTATCT	22	4	21UR-3972
2493292_adh	TGTATTGCATAAATGAACGGT	21	487	21UR-3979
2493293_adh	TGTATTGCATAAATGAACGGTT	22	1	21UR-3979
2493294_adh	TGTATTGCATAAATGAACGGTTAT	24	1	21UR-3979
2142430_adh	TGAATCGGTAATACTAGAATT	21	5593	21UR-4004
2142431_adh	TGAATCGGTAATACTAGAATTA	22	1	21UR-4004
224847_adh	AATGAATCGGTAATACTAGAATT	23	1	21UR-4004
2142434_adh	TGAATCGGTAATACTAGAATTAGAC	25	1	21UR-4004
2318011_adh	TGGAATCATGAGAATACTTC	21	1550	21UR-4009
2318012_adh	TGGAATCATGAGAATACTTCA	22	1	21UR-4009
1878617_adh	TAGTGGAAATTTTGCTCGACGT	21	189	21UR-4021
1878619_adh	TAGTGGAAATTTTGCTCGACGTC	22	1	21UR-4021
1878620_adh	TAGTGGAAATTTTGCTCGACGTCAT	24	7	21UR-4021
1878621_adh	TAGTGGAAATTTTGCTCGACGTCATT	25	2	21UR-4021
2184039_adh	TGAGACGCGAAACGACATAAT	21	1137	21UR-4027
2184041_adh	TGAGACGCGAAACGACATAATT	22	3	21UR-4027
226842_adh	AATGAGACGCGAAACGACATAAT	23	2	21UR-4027
2184045_adh	TGAGACGCGAAACGACATAATTTG	24	1	21UR-4027
1889911_adh	TATATCAAGACCAGCCGCTGC	21	7	21UR-4030
1889912_adh	TATATCAAGACCAGCCGCTGCC	22	1	21UR-4030
2373575_adh	TGGACACAACACAAGAACCAA	21	5980	21UR-4031
2373576_adh	TGGACACAACACAAGAACCAAAA	22	14	21UR-4031
2657986_adh	TTGGACACAACACAAGAACCAA	22	1	21UR-4031
2373580_adh	TGGACACAACACAAGAACCAAAT	23	4	21UR-4031
2373581_adh	TGGACACAACACAAGAACCAAATT	24	3	21UR-4031
2373582_adh	TGGACACAACACAAGAACCAAATTTT	26	1	21UR-4031
2469498_adh	TGGTCCTTGCTATAGCCGGC	21	44	21UR-4049
238964_adh	AATGGTCCTTGCTATAGCCGGC	23	2	21UR-4049
2717116_adh	TTTGAGTGTTGATTTTGTCCA	21	22	21UR-4050
2717117_adh	TTTGAGTGTTGATTTTGTCCAGAT	24	1	21UR-4050
1866962_adh	TAGGCACTACATAACTGAACA	21	193	21UR-4058
1866963_adh	TAGGCACTACATAACTGAACAA	22	1	21UR-4058
2723597_adh	TTTGGAGACTTTATGCAGAAC	21	4331	21UR-4063
2723598_adh	TTTGGAGACTTTATGCAGAACA	22	21	21UR-4063
2723599_adh	TTTGGAGACTTTATGCAGAACAA	23	40	21UR-4063
2723600_adh	TTTGGAGACTTTATGCAGAACAAA	24	5	21UR-4063
2723601_adh	TTTGGAGACTTTATGCAGAACAAAA	25	1	21UR-4063
1847281_adh	TAGAGAATCCATAGCTGTTAC	21	11	21UR-4068

205637_adh	AATAGAGAATCCATAGCTGTTAC	23	1	21UR-4068
2373906_adh	TGGACACTAGTGAATTATTGC	21	553	21UR-4073
1926863_adh	TATTGGACACTAGTGAATTATTGCT	25	1	21UR-4073
2499364_adh	TGTCTCGCCAAGCAAGCCA	21	2	21UR-4076
241981_adh	AATGTCTCGCCAAGCAAGCCA	23	1	21UR-4076
2310863_adh	TGCTTGATTGTTAAATTGGAT	21	1140	21UR-4085
2310864_adh	TGCTTGATTGTTAAATTGGATACAC	25	1	21UR-4085
1941467_adh	TCAATCGAAGCAATCGAACTC	21	37	21UR-4091
1941468_adh	TCAATCGAAGCAATCGAACTCA	22	3	21UR-4091
2254298_adh	TGAGTGGTTGTAATTTGGTTG	21	434	21UR-4110
2254300_adh	TGAGTGGTTGTAATTTGGTTGGC	23	1	21UR-4110
227450_adh	AATGAGTGGTTGTAATTTGGTTG	23	1	21UR-4110
1805455_adh	TAATTTGGTTGGTGTATGAAG	21	20	21UR-4126
1805456_adh	TAATTTGGTTGGTGTATGAAGC	22	1	21UR-4126
2306522_adh	TGCTATCTCGGCTTCAATCTA	21	160	21UR-4137
2306524_adh	TGCTATCTCGGCTTCAATCTAT	22	1	21UR-4137
230910_adh	AATGCTATCTCGGCTTCAATCTA	23	1	21UR-4137
1887834_adh	TATACTTTGACATTGACGTTT	21	146	21UR-4141
1887836_adh	TATACTTTGACATTGACGTTCT	22	2	21UR-4141
2617090_adh	TTCTCTCGAAAGTTGGTTTTT	21	104	21UR-4146
2617091_adh	TTCTCTCGAAAGTTGGTTTTT	22	2	21UR-4146
1781917_adh	TAAGCAGAATGGAAACGATTT	21	45	21UR-4147
1781918_adh	TAAGCAGAATGGAAACGATTTAA	23	1	21UR-4147
2546056_adh	TTAACTCAGTCAAAGCGATCC	21	4	21UR-4149
702949_adh	ATTAECTCAGTCAAAGCGATCC	22	1	21UR-4149
2591418_adh	TTCAGCGATCGAAAGACAACA	21	26402	21UR-4162
2591419_adh	TTCAGCGATCGAAAGACAACAA	22	7	21UR-4162
1725407_adh	GTTTCAGCGATCGAAAGACAACA	23	2	21UR-4162
2591420_adh	TTCAGCGATCGAAAGACAACAAA	24	1	21UR-4162
2591421_adh	TTCAGCGATCGAAAGACAACAAAAC	25	1	21UR-4162
2667274_adh	TTGGGATCCAATGTGAAATGC	21	4	21UR-4190
2667275_adh	TTGGGATCCAATGTGAAATGCC	22	1	21UR-4190
731975_adh	ATTGGGATCCAATGTGAAATGC	22	1	21UR-4190
2674184_adh	TTGTACACAAACATGTTAGGC	21	106	21UR-4208
2674186_adh	TTGTACACAAACATGTTAGGCC	22	1	21UR-4208
1782404_adh	TAAGCGACAAACCTTTAGTGA	21	24	21UR-4216
1782405_adh	TAAGCGACAAACCTTTAGTGAAA	23	1	21UR-4216
2305365_adh	TGCTAAGACAAGATGGGTAAA	21	186	21UR-4222
230859_adh	AATGCTAAGACAAGATGGGTAAA	23	1	21UR-4222
2305367_adh	TGCTAAGACAAGATGGGTAAACAAT	25	1	21UR-4222
2644965_adh	TTGATGCCTGCTATTAGAATT	21	240	21UR-4230
251036_adh	AATTGATGCCTGCTATTAGAATT	23	1	21UR-4230
2644969_adh	TTGATGCCTGCTATTAGAATTCAT	24	1	21UR-4230
1924914_adh	TATTCTGACAAGCTATGCCCG	21	79	21UR-4231
1924916_adh	TATTCTGACAAGCTATGCCCGT	22	6	21UR-4231
1924917_adh	TATTCTGACAAGCTATGCCCGTGT	24	1	21UR-4231
2660852_adh	TTGGATAGACTAATTAGCAAG	21	449	21UR-4233
1113751_adh	CTTGGATAGACTAATTAGCAAG	22	1	21UR-4233
2660853_adh	TTGGATAGACTAATTAGCAAGA	22	1	21UR-4233
2660854_adh	TTGGATAGACTAATTAGCAAGACAT	25	3	21UR-4233

1845554_adh	TAGACTACAGAAATAGATTGG	21	106	21UR-4238
1845556_adh	TAGACTACAGAAATAGATTGGGAA	24	1	21UR-4238
1772072_adh	TAACTTAAGTAGATAAATGAT	21	1840	21UR-4264
1772075_adh	TAACTTAAGTAGATAAATGATGGA	24	2	21UR-4264
1772076_adh	TAACTTAAGTAGATAAATGATGGAAC	26	1	21UR-4264
1889843_adh	TATATATGATTGTGATCCCTC	21	115	21UR-4274
1889844_adh	TATATATGATTGTGATCCCTCA	22	2	21UR-4274
1938257_adh	TCAAGAAGAATTTCAAATACA	21	140	21UR-4289
1938261_adh	TCAAGAAGAATTTCAAATACATAAC	25	1	21UR-4289
1938262_adh	TCAAGAAGAATTTCAAATACATAACT	26	1	21UR-4289
2651989_adh	TTGCGACTTACGTTCTGTGCGG	21	178	21UR-4290
2651990_adh	TTGCGACTTACGTTCTGTGCGGA	22	3	21UR-4290
2651991_adh	TTGCGACTTACGTTCTGTGCGGAA	23	1	21UR-4290
2513508_adh	TGTGCAGTATGCAACTCTCAA	21	82	21UR-4304
2513509_adh	TGTGCAGTATGCAACTCTCAAT	22	2	21UR-4304
2285546_adh	TGCAATTGATCCCACAATTGA	21	14	21UR-4316
229175_adh	AATGCAATTGATCCCACAATTGA	23	1	21UR-4316
2063200_adh	TCTTTTTGACTAACGGTTGA	21	137	21UR-4323
2063201_adh	TCTTTTTGACTAACGGTTGAA	22	1	21UR-4323
2063202_adh	TCTTTTTGACTAACGGTTGAAA	23	1	21UR-4323
1832420_adh	TACTGATGGCATTTTACATGG	21	516	21UR-4329
598704_adh	ATACTGATGGCATTTTACATGG	22	1	21UR-4329
2257399_adh	TGAGTTTATTTGCACTAAAGT	21	10	21UR-4334
669103_adh	ATGAGTTTATTTGCACTAAAGT	22	1	21UR-4334
1864470_adh	TAGGATAATAATAGGATGATA	21	1227	21UR-4349
1864474_adh	TAGGATAATAATAGGATGATAGGAG	25	2	21UR-4349
1912446_adh	TATGCACTTGAGTAAGCTAAC	21	6	21UR-4351
1912447_adh	TATGCACTTGAGTAAGCTAACTTCT	25	1	21UR-4351
1746907_adh	TAAAAATACATCGGAATCCAA	21	83	21UR-4355
1746908_adh	TAAAAATACATCGGAATCCAAAA	23	1	21UR-4355
1966361_adh	TCAGTCGTATGGGTTTATCCA	21	4	21UR-4364
1966362_adh	TCAGTCGTATGGGTTTATCCAAGT	24	1	21UR-4364
1779814_adh	TAAGATGAAGACATCGTTTGA	21	215	21UR-4371
1779815_adh	TAAGATGAAGACATCGTTTGAAA	23	4	21UR-4371
1779816_adh	TAAGATGAAGACATCGTTTGAAATAA	26	1	21UR-4371
1763180_adh	TAACAACAAGGAATTTACAAC	21	36	21UR-4374
1763181_adh	TAACAACAAGGAATTTACAACA	22	1	21UR-4374
2389780_adh	TGGATCGCGGAAATATGCAAA	21	825	21UR-4382
2389781_adh	TGGATCGCGGAAATATGCAAAA	22	4	21UR-4382
2661497_adh	TTGGATCGCGGAAATATGCAAA	22	1	21UR-4382
2389782_adh	TGGATCGCGGAAATATGCAAAAA	23	5	21UR-4382
2389783_adh	TGGATCGCGGAAATATGCAAAAAAT	24	1	21UR-4382
1895015_adh	TATCATTGGTACACTAATTTCT	21	15	21UR-4406
1895016_adh	TATCATTGGTACACTAATTTCT	22	1	21UR-4406
208113_adh	AATATCATTGGTACACTAATTTCT	23	1	21UR-4406
1895018_adh	TATCATTGGTACACTAATTTCTGC	24	1	21UR-4406
1833926_adh	TACTGTGATGGAAAAACGGTA	21	168	21UR-4407
1833927_adh	TACTGTGATGGAAAAACGGTAAA	23	1	21UR-4407
1938395_adh	TCAAGAATTACGGATGCCGCC	21	411	21UR-4415
1938396_adh	TCAAGAATTACGGATGCCGCCA	22	2	21UR-4415

1938397_adh	TCAAGAATTACGGATGCCGCCAA	23	2	21UR-4415
1827493_adh	TACGGTTAATACGGTTAGGGG	21	99	21UR-4429
1827495_adh	TACGGTTAATACGGTTAGGGGTAA	24	1	21UR-4429
1757693_adh	TAAAGCTGGCTACCGTACTTC	21	241	21UR-4437
1757695_adh	TAAAGCTGGCTACCGTACTTCT	22	1	21UR-4437
1762209_adh	TAAATTCAAATTGCTTGAAGA	21	51	21UR-4447
1025748_adh	CTAAATTCAAATTGCTTGAAGA	22	1	21UR-4447
2469995_adh	TGGTCTAGTGGTATGTGCGGG	21	1201	21UR-4459
2469998_adh	TGGTCTAGTGGTATGTGCGGGC	22	5	21UR-4459
239029_adh	AATGGTCTAGTGGTATGTGCGGG	23	1	21UR-4459
2469999_adh	TGGTCTAGTGGTATGTGCGGGCA	23	1	21UR-4459
2470000_adh	TGGTCTAGTGGTATGTGCGGGCAA	24	1	21UR-4459
2131329_adh	TGAAGCGACTAAAATTACAAC	21	168	21UR-4466
1064441_adh	CTGAAGCGACTAAAATTACAAC	22	1	21UR-4466
2131330_adh	TGAAGCGACTAAAATTACAACAT	23	1	21UR-4466
1835373_adh	TACTTGGATAGACTAATTAGC	21	233	21UR-4467
1835374_adh	TACTTGGATAGACTAATTAGCA	22	2	21UR-4467
1835375_adh	TACTTGGATAGACTAATTAGCAA	23	1	21UR-4467
1952980_adh	TCACGAAATTGTATTAAGTGG	21	134	21UR-4471
212796_adh	AATCACGAAATTGTATTAAGTGG	23	2	21UR-4471
2614331_adh	TTCTACATCGTAGCGGAAATC	21	559	21UR-4474
2614332_adh	TTCTACATCGTAGCGGAAATCA	22	1	21UR-4474
2614333_adh	TTCTACATCGTAGCGGAAATCAA	23	1	21UR-4474
2038286_adh	TCTCATGACGGTTTCCATTTT	21	236	21UR-4485
221748_adh	AATCTCATGACGGTTTCCATTTT	23	1	21UR-4485
2000276_adh	TCGACTCATTACAGCTGATTA	21	61	21UR-4497
2000278_adh	TCGACTCATTACAGCTGATTAT	22	1	21UR-4497
2000280_adh	TCGACTCATTACAGCTGATTATG	23	1	21UR-4497
2131439_adh	TGAAGCGGAAAATATAGAAAG	21	4872	21UR-4509
2131442_adh	TGAAGCGGAAAATATAGAAAGC	22	32	21UR-4509
2131443_adh	TGAAGCGGAAAATATAGAAAGCAT	24	2	21UR-4509
2131444_adh	TGAAGCGGAAAATATAGAAAGCATA	25	1	21UR-4509
1758574_adh	TAAAGTAGACGTTGCCATGAT	21	6382	21UR-4510
1758579_adh	TAAAGTAGACGTTGCCATGATT	22	7	21UR-4510
2541719_adh	TTAAAGTAGACGTTGCCATGAT	22	1	21UR-4510
1758585_adh	TAAAGTAGACGTTGCCATGATTT	23	1	21UR-4510
1758586_adh	TAAAGTAGACGTTGCCATGATTTT	24	3	21UR-4510
1758587_adh	TAAAGTAGACGTTGCCATGATTTTT	25	1	21UR-4510
1912079_adh	TATGATTGCGTAATTGTTTGA	21	67	21UR-4514
1912080_adh	TATGATTGCGTAATTGTTTGAAA	23	1	21UR-4514
1963184_adh	TCAGCTTAGTAAGTATTTTCA	21	7	21UR-4540
1963185_adh	TCAGCTTAGTAAGTATTTTCAT	22	1	21UR-4540
2659674_adh	TTGGAGCAACTTCGGTTTTAA	21	87	21UR-4543
252523_adh	AATTGGAGCAACTTCGGTTTTAA	23	1	21UR-4543
2659675_adh	TTGGAGCAACTTCGGTTTTAACTGG	25	1	21UR-4543
1916456_adh	TATGGTATTTCTCCCTCTGTG	21	2	21UR-4544
1916457_adh	TATGGTATTTCTCCCTCTGTGCAACT	26	1	21UR-4544
1874450_adh	TAGTAGATACTATAGTAGAAG	21	476	21UR-4545
1874451_adh	TAGTAGATACTATAGTAGAAGAAA	24	1	21UR-4545
1919035_adh	TATGTGGAGTAATGGTTGATG	21	967	21UR-4557

1919036_adh	TATGTGGAGTAATGGTTGATGA	22	9	21UR-4557
1919038_adh	TATGTGGAGTAATGGTTGATGAGA	24	1	21UR-4557
1880382_adh	TAGTTAGGACATAATATGATC	21	77	21UR-4568
1880384_adh	TAGTTAGGACATAATATGATCT	22	1	21UR-4568
1785854_adh	TAAGGGAATCAAATGTCTGAAT	21	24	21UR-4570
1785855_adh	TAAGGGAATCAAATGTCTGAATAAA	25	1	21UR-4570
2171344_adh	TGACTGTATTTTGGTTTTTGG	21	12007	21UR-4572
2171351_adh	TGACTGTATTTTGGTTTTTGGT	22	6	21UR-4572
2171355_adh	TGACTGTATTTTGGTTTTTGGTG	23	1	21UR-4572
2171356_adh	TGACTGTATTTTGGTTTTTGGTGT	24	3	21UR-4572
2171357_adh	TGACTGTATTTTGGTTTTTGGTGTC	25	1	21UR-4572
1911935_adh	TATGATTCCATTTTCGTCCCTCA	21	86	21UR-4573
1911936_adh	TATGATTCCATTTTCGTCCCTCAT	22	1	21UR-4573
1999743_adh	TCGACATAGATGGCTTGATG	21	993	21UR-4605
1999745_adh	TCGACATAGATGGCTTGATGT	22	3	21UR-4605
2034750_adh	TCTATGTTGAGGACGTCATTG	21	191	21UR-4611
652559_adh	ATCTATGTTGAGGACGTCATTG	22	1	21UR-4611
1836648_adh	TAGAAAAATTTGCAATTGAAG	21	16	21UR-4618
205344_adh	AATAGAAAAATTTGCAATTGAAG	23	1	21UR-4618
2638661_adh	TTGACTGTCTGAAGACCATTTC	21	5349	21UR-4621
1109438_adh	CTTGACTGTCTGAAGACCATTTC	22	4	21UR-4621
2638665_adh	TTGACTGTCTGAAGACCATTTC	22	10	21UR-4621
2638666_adh	TTGACTGTCTGAAGACCATTTC	23	2	21UR-4621
2638668_adh	TTGACTGTCTGAAGACCATTTC	24	7	21UR-4621
2638670_adh	TTGACTGTCTGAAGACCATTTC	25	1	21UR-4621
1849056_adh	TAGAGTCCAGTTGATGTCCAT	21	1028	21UR-4625
1849058_adh	TAGAGTCCAGTTGATGTCCATT	22	2	21UR-4625
2054596_adh	TCCTAGTATTGTGAGAAGGGT	21	199	21UR-4632
222906_adh	AATCCTAGTATTGTGAGAAGGGT	23	1	21UR-4632
1884676_adh	TATAACGAGTAGTAGATGGTA	21	348	21UR-4647
1884678_adh	TATAACGAGTAGTAGATGGTAG	22	6	21UR-4647
1861934_adh	TAGGAATTGTGTTCCACCAACG	21	123	21UR-4649
1861935_adh	TAGGAATTGTGTTCCACCAACGA	22	1	21UR-4649
1861936_adh	TAGGAATTGTGTTCCACCAACGAA	23	1	21UR-4649
1770175_adh	TAAC TAGTGCAGTACACGGTG	21	433	21UR-4653
1770176_adh	TAAC TAGTGCAGTACACGGTGT	22	1	21UR-4653
2310435_adh	TGCTTCGAGCGGATAGTTAAT	21	841	21UR-4655
2310436_adh	TGCTTCGAGCGGATAGTTAATT	22	1	21UR-4655
1309001_adh	GATGCTTCGAGCGGATAGTTAATTT	25	1	21UR-4655
2684337_adh	TTGTTGAAACGGTATGAAATT	21	7575	21UR-4659
2684338_adh	TTGTTGAAACGGTATGAAATTG	22	1	21UR-4659
735686_adh	ATTGTTGAAACGGTATGAAATT	22	6	21UR-4659
253984_adh	AATTGTTGAAACGGTATGAAATT	23	16	21UR-4659
2684339_adh	TTGTTGAAACGGTATGAAATTGT	23	1	21UR-4659
1988427_adh	TCCGTGAAGAGTTTCGGCGTA	21	97	21UR-4667
1049043_adh	CTCCGTGAAGAGTTTCGGCGTA	22	1	21UR-4667
1758322_adh	TAAAGTAATAAGAATGAGTAG	21	284	21UR-4668
199136_adh	AATAAAGTAATAAGAATGAGTAG	23	1	21UR-4668
1823973_adh	TACGATCGTTGGGGGTGAGAA	21	77	21UR-4698
1823974_adh	TACGATCGTTGGGGGTGAGAAAT	23	1	21UR-4698

1776035_adh	TAAGACTAGCCTATAATTTAA	21	195	21UR-4709
200378_adh	AATAAGACTAGCCTATAATTTAA	23	2	21UR-4709
2036916_adh	TCTCACAAATGGACTTTGGTG	21	2941	21UR-4711
2036917_adh	TCTCACAAATGGACTTTGGTGA	22	1	21UR-4711
2036918_adh	TCTCACAAATGGACTTTGGTGAA	23	1	21UR-4711
209791_adh	AATCAACAATCACTATATCCACT	23	1	21UR-4716
1812422_adh	TACAGGAAGAAATGGCACTAC	21	339	21UR-4718
1812424_adh	TACAGGAAGAAATGGCACTACT	22	2	21UR-4718
2449698_adh	TGGGCAAAAAGTTAGGCAGGCA	21	124	21UR-4728
2449699_adh	TGGGCAAAAAGTTAGGCAGGCAC	22	1	21UR-4728
2449700_adh	TGGGCAAAAAGTTAGGCAGGCACGC	24	1	21UR-4728
1919452_adh	TATGTTGATCGTGTTAAATA	21	74	21UR-4729
618814_adh	ATATGTTGATCGTGTTAAATA	22	1	21UR-4729
208821_adh	AATATGTTGATCGTGTTAAATA	23	1	21UR-4729
1992937_adh	TCCTTCGGCTATATTTACAAT	21	2349	21UR-4730
1992938_adh	TCCTTCGGCTATATTTACAATA	22	1	21UR-4730
1918195_adh	TATGTATGTGATTCTAGGTGG	21	99	21UR-4737
1918196_adh	TATGTATGTGATTCTAGGTGGA	22	13	21UR-4737
1918197_adh	TATGTATGTGATTCTAGGTGGAA	23	3	21UR-4737
2151832_adh	TGACAATGACGTAGATTATAA	21	628	21UR-4744
225004_adh	AATGACAATGACGTAGATTATAA	23	2	21UR-4744
1789070_adh	TAAGTTCAAAAAATTGTCAAG	21	9	21UR-4745
1028052_adh	CTAAGTTCAAAAAATTGTCAAG	22	1	21UR-4745
1808170_adh	TACAACGTAGAGTACTGGCTA	21	25460	21UR-4748
1808171_adh	TACAACGTAGAGTACTGGCTAA	22	211	21UR-4748
591641_adh	ATACAACGTAGAGTACTGGCTA	22	3	21UR-4748
1808193_adh	TACAACGTAGAGTACTGGCTAAT	23	97	21UR-4748
1808194_adh	TACAACGTAGAGTACTGGCTAATA	24	2	21UR-4748
1808195_adh	TACAACGTAGAGTACTGGCTAATAA	25	2	21UR-4748
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1786288_adh	TAAGGTACAGAATAGTTGAAA	21	549	21UR-4755
1786292_adh	TAAGGTACAGAATAGTTGAAATAA	24	1	21UR-4755
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1842283_adh	TAGAATGCTCGTAGATCTTGG	21	2450	21UR-4773
1033182_adh	CTAGAATGCTCGTAGATCTTGG	22	2	21UR-4773
1842287_adh	TAGAATGCTCGTAGATCTTGGT	22	22	21UR-4773
1842289_adh	TAGAATGCTCGTAGATCTTGGTCAA	25	1	21UR-4773
1842290_adh	TAGAATGCTCGTAGATCTTGGTCAAT	26	1	21UR-4773
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1994456_adh	TCGAAAAATTGGAATTGGACAA	22	1	21UR-4782
216909_adh	AATCGAAAAATTGGAATTGGACA	23	2	21UR-4782
2495182_adh	TGTCAGTTGAAAATGTGCACT	21	129	21UR-4783
241125_adh	AATGTCAGTTGAAAATGTGCACT	23	1	21UR-4783
2679539_adh	TTGTGACAGAACGCATTTTTT	21	2717	21UR-4797
1731172_adh	GTTTGTGACAGAACGCATTTTTT	23	4	21UR-4797
2679540_adh	TTGTGACAGAACGCATTTTTTAA	23	1	21UR-4797
2422707_adh	TGGGAGAATAGTAAGGACGTG	21	2317	21UR-4807
2422708_adh	TGGGAGAATAGTAAGGACGTGA	22	8	21UR-4807
688652_adh	ATGGGAGAATAGTAAGGACGTG	22	1	21UR-4807
237908_adh	AATGGGAGAATAGTAAGGACGTG	23	6	21UR-4807

2422710_adh	TGGGAGAATAGTAAGGACGTGAT	23	3	21UR-4807
2167641_adh	TGACTCATCGAATTGCATAAT	21	183	21UR-4834
2167642_adh	TGACTCATCGAATTGCATAATA	22	1	21UR-4834
664977_adh	ATGACTCATCGAATTGCATAAT	22	1	21UR-4834
2167643_adh	TGACTCATCGAATTGCATAATAA	23	1	21UR-4834
2167644_adh	TGACTCATCGAATTGCATAATAAAT	25	1	21UR-4834
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1846156_adh	TAGACTTAGATAAAAGCTAAAC	21	44	21UR-4849
1846157_adh	TAGACTTAGATAAAAGCTAAACGACA	25	1	21UR-4849
1813335_adh	TACATCAGCCGCTCGAAGAGG	21	242	21UR-4852
1813336_adh	TACATCAGCCGCTCGAAGAGGT	22	6	21UR-4852
593568_adh	ATACATCAGCCGCTCGAAGAGG	22	1	21UR-4852
203239_adh	AATACATCAGCCGCTCGAAGAGG	23	1	21UR-4852
1944994_adh	TCACAGCTATTTGGCAACACC	21	42	21UR-4855
1944995_adh	TCACAGCTATTTGGCAACACCT	22	1	21UR-4855
2604076_adh	TTCGAGTAGCATTTGAGTGGC	21	813	21UR-4857
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2272183_adh	TGATGGACTTCTACTTGGAAA	21	232	21UR-4881
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2036719_adh	TCTCAATTGGATAGCATAACA	21	349	21UR-4893
2036720_adh	TCTCAATTGGATAGCATAACAAA	23	2	21UR-4893
2036721_adh	TCTCAATTGGATAGCATAACAAAAG	25	1	21UR-4893
2663227_adh	TTGGATGGTTGAAGAAGGAGT	21	8978	21UR-4895
2663228_adh	TTGGATGGTTGAAGAAGGAGTA	22	4	21UR-4895
2663230_adh	TTGGATGGTTGAAGAAGGAGTAT	23	18	21UR-4895
2663231_adh	TTGGATGGTTGAAGAAGGAGTATC	24	2	21UR-4895
2663232_adh	TTGGATGGTTGAAGAAGGAGTATCG	25	3	21UR-4895
2663233_adh	TTGGATGGTTGAAGAAGGAGTATCGT	26	6	21UR-4895
2708835_adh	TTTCGTCAGCATGGCTAGTAC	21	4	21UR-4902
1805013_adh	TAATTTTCGTCAGCATGGCTAGTAC	24	1	21UR-4902
2605141_adh	TTCGATGCACGCGCATGTACC	21	13	21UR-4908
2605142_adh	TTCGATGCACGCGCATGTACCC	22	1	21UR-4908
1999520_adh	TCGACAAAATGCAGGCAATGA	21	306	21UR-4953
217100_adh	AATCGACAAAATGCAGGCAATGA	23	1	21UR-4953
1999521_adh	TCGACAAAATGCAGGCAATGAGGT	24	1	21UR-4953
1814345_adh	TACATTCGGGATTGTTGGTAA	21	634	21UR-4970
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1856574_adh	TAGCGATTGCAGAGTAAGATTT	22	1	21UR-4976
1856577_adh	TAGCGATTGCAGAGTAAGATTTT	23	1	21UR-4976
206165_adh	AATAGCGATTGCAGAGTAAGATT	23	1	21UR-4976
2376044_adh	TGGACGACCTGGAGTAATAGA	21	168	21UR-4985
2376045_adh	TGGACGACCTGGAGTAATAGAA	22	2	21UR-4985
1882647_adh	TAGTTGTTTAGCGAAAATAGG	21	15	21UR-4989
1882648_adh	TAGTTGTTTAGCGAAAATAGGAG	23	1	21UR-4989
1853166_adh	TAGCAACTAAGAATCCGTTA	21	130	21UR-5023
604679_adh	ATAGCAACTAAGAATCCGTTA	22	2	21UR-5023
1862447_adh	TAGGACAGTGGAACGAACGAT	21	13	21UR-5028
1862448_adh	TAGGACAGTGGAACGAACGATA	22	2	21UR-5028

1768292_adh	TAACGATACAGCCTTACATGT	21	45	21UR-5031
1768293_adh	TAACGATACAGCCTTACATGTA	22	2	21UR-5031
1888969_adh	TATAGTATGTTCCAGAGGTGG	21	37	21UR-5041
1888971_adh	TATAGTATGTTCCAGAGGTGGGCGG	25	1	21UR-5041
1937004_adh	TCAACGTATTGTATTCAACTT	21	47	21UR-5042
1937005_adh	TCAACGTATTGTATTCAACTTT	22	1	21UR-5042
2291724_adh	TGCCAAACTCCATTTAACGGC	21	329	21UR-5045
2291725_adh	TGCCAAACTCCATTTAACGGCT	22	1	21UR-5045
229605_adh	AATGCCAAACTCCATTTAACGGC	23	1	21UR-5045
2469173_adh	TGGTCACACACAACAAGGCT	21	169	21UR-5052
2469174_adh	TGGTCACACACAACAAGGCTAA	23	1	21UR-5052
2513623_adh	TGTGCATTTCTCTGTTTCGTA	21	10	21UR-5061
2513624_adh	TGTGCATTTCTCTGTTTCGTA	23	1	21UR-5061
2275328_adh	TGATTCCATTGTATTGGCATA	21	80	21UR-5069
2275329_adh	TGATTCCATTGTATTGGCATAT	22	1	21UR-5069
228675_adh	AATGATTCCATTGTATTGGCATA	23	1	21UR-5069
2003199_adh	TCGATATAACTGAACTTCAAAA	21	14	21UR-5092
2003200_adh	TCGATATAACTGAACTTCAAAA	22	1	21UR-5092
217536_adh	AATCGATATAACTGAACTTCAAAA	23	1	21UR-5092
2678818_adh	TTGTCTCTGTGTGGGTATATC	21	164	21UR-5097
253623_adh	AATTGTCTCTGTGTGGGTATATC	23	1	21UR-5097
2678821_adh	TTGTCTCTGTGTGGGTATATCTGT	24	2	21UR-5097
1870506_adh	TAGGTACTACTTTGAACTTGG	21	15	21UR-5101
1870507_adh	TAGGTACTACTTTGAACTTGGAA	22	1	21UR-5101
1922269_adh	TATTATCGTCTTCTGAGCATA	21	558	21UR-5105
1922270_adh	TATTATCGTCTTCTGAGCATAAGCG	25	1	21UR-5105
1922271_adh	TATTATCGTCTTCTGAGCATAAGCGC	26	1	21UR-5105
1866600_adh	TAGGATTTCACTAGAAGAAGC	21	3176	21UR-5109
1866601_adh	TAGGATTTCACTAGAAGAAGCA	22	2	21UR-5109
1866603_adh	TAGGATTTCACTAGAAGAAGCAT	23	2	21UR-5109
1866604_adh	TAGGATTTCACTAGAAGAAGCATG	24	2	21UR-5109
1866605_adh	TAGGATTTCACTAGAAGAAGCATGCA	26	1	21UR-5109
2402858_adh	TGGCACAATTGTATTCAATTT	21	17	21UR-5118
686179_adh	ATGGCACAATTGTATTCAATTT	22	1	21UR-5118
1867117_adh	TAGGCCAAGTTCGGTTAGCTAA	21	87	21UR-5122
1867118_adh	TAGGCCAAGTTCGGTTAGCTAAT	22	1	21UR-5122
1867120_adh	TAGGCCAAGTTCGGTTAGCTAATGT	24	1	21UR-5122
1874827_adh	TAGTAGGTGTTCAAGTTAGGG	21	45	21UR-5143
1874829_adh	TAGTAGGTGTTCAAGTTAGGGC	22	1	21UR-5143
1883233_adh	TAGTTTGGTGACTAAGGAAGA	21	139	21UR-5156
1883234_adh	TAGTTTGGTGACTAAGGAAGAA	22	1	21UR-5156
1765746_adh	TAACATATATTTCTGATTA	21	140	21UR-5169
1765747_adh	TAACATATATTTCTGATTA	23	2	21UR-5169
2545795_adh	TTAACTAAAGAGCAGAATATG	21	4660	21UR-5170
243858_adh	AATTAATAAGAGCAGAATATG	23	1	21UR-5170
2545796_adh	TTAACTAAAGAGCAGAATATGAA	23	2	21UR-5170
2545797_adh	TTAACTAAAGAGCAGAATATGAAGAT	26	1	21UR-5170
1965615_adh	TCAGTAGAAGAAGACTCTCAA	21	20784	21UR-5174
1965616_adh	TCAGTAGAAGAAGACTCTCAA	22	3	21UR-5174
628442_adh	ATCAGTAGAAGAAGACTCTCAA	22	2	21UR-5174

1965617_adh	TCAGTAGAAGAAGACTCTCAAAA	23	16	21UR-5174
213619_adh	AATCAGTAGAAGAAGACTCTCAA	23	25	21UR-5174
1965618_adh	TCAGTAGAAGAAGACTCTCAAAA	24	1	21UR-5174
777568_adh	CAATCAGTAGAAGAAGACTCTCAA	24	1	21UR-5174
1965619_adh	TCAGTAGAAGAAGACTCTCAAAAAG	25	2	21UR-5174
1965620_adh	TCAGTAGAAGAAGACTCTCAAAAAGC	26	1	21UR-5174
2699263_adh	TTTATGGTTAGAAAACTATA	21	76	21UR-5178
2699264_adh	TTTATGGTTAGAAAACTATAA	22	2	21UR-5178
2491306_adh	TGTATCGTCCAATGCTCCATC	21	28	21UR-5179
240862_adh	AATGTATCGTCCAATGCTCCATC	23	1	21UR-5179
240863_adh	AATGTATCGTCCAATGCTCCATCAT	25	1	21UR-5179
2271037_adh	TGATGAATAGGTGATTAGGGA	21	152	21UR-5180
2271039_adh	TGATGAATAGGTGATTAGGGAAT	23	1	21UR-5180
1785974_adh	TAAGGGAGTATGCTTAGTAGT	21	37	21UR-5188
587189_adh	ATAAGGGAGTATGCTTAGTAGT	22	1	21UR-5188
1799407_adh	TAATGACAATGACGTAGATTA	21	282	21UR-5195
1799409_adh	TAATGACAATGACGTAGATTAT	22	2	21UR-5195
2646841_adh	TTGATTCGACAGTACTCAA	21	567	21UR-5197
2646842_adh	TTGATTCGACAGTACTCAAAA	22	3	21UR-5197
1988400_adh	TCCGTGAACTTTTTGCTTGC	21	10	21UR-5213
635385_adh	ATCCGTGAACTTTTTGCTTGC	22	1	21UR-5213
2270435_adh	TGATCTGATTGAGAACGTGAA	21	101	21UR-5220
2270436_adh	TGATCTGATTGAGAACGTGAAA	22	4	21UR-5220
2052905_adh	TCTGTGTTCCGGTGGACTTTCA	21	2066	21UR-5226
2520855_adh	TGTGTTCCGGTGGACTTTCAA	21	1 355_x1/	21UR-5226
2052906_adh	TCTGTGTTCCGGTGGACTTTCAA	22	1	21UR-5226
2052907_adh	TCTGTGTTCCGGTGGACTTTCAA	23	1	21UR-5226
2060939_adh	TCTTTCGAGTACCATAGGACG	21	2794	21UR-5227
2060943_adh	TCTTTCGAGTACCATAGGACGT	22	9	21UR-5227
2060947_adh	TCTTTCGAGTACCATAGGACGTT	23	2	21UR-5227
2060948_adh	TCTTTCGAGTACCATAGGACGTTT	24	2	21UR-5227
1918767_adh	TATGTCGTTTTGAATCACATA	21	16	21UR-5231
208789_adh	AATATGTCGTTTTGAATCACATA	23	1	21UR-5231
2479108_adh	TGGTTTTCCGGATTAAGCAAT	21	145	21UR-5236
2479109_adh	TGGTTTTCCGGATTAAGCAATACAC	25	2	21UR-5236
2719324_adh	TTTGATGTCCAAACGTTATTA	21	1	21UR-5244
256198_adh	AATTTGATGTCCAAACGTTATTA	23	1	21UR-5244
1870074_adh	TAGGTAACGTGTAGGCGATGC	21	112	21UR-5246
1870075_adh	TAGGTAACGTGTAGGCGATGCA	22	1	21UR-5246
1944223_adh	TCACAAGGTAGAAAGCTATCA	21	354	21UR-5255
1944224_adh	TCACAAGGTAGAAAGCTATCACA	23	1	21UR-5255
2161184_adh	TGACGCAAACCTGTTTATTTCC	21	5	21UR-5256
226255_adh	AATGACGCAAACCTGTTTATTTCC	23	1	21UR-5256
1772905_adh	TAACTTTGAACATGAAGTAAG	21	492	21UR-5271
1772906_adh	TAACTTTGAACATGAAGTAAGA	22	2	21UR-5271
1772910_adh	TAACTTTGAACATGAAGTAAGAC	23	2	21UR-5271
1772911_adh	TAACTTTGAACATGAAGTAAGACAT	25	1	21UR-5271
2635719_adh	TTGACGCAATCCTTAAAATCA	21	7	21UR-5273
249863_adh	AATTGACGCAATCCTTAAAATCA	23	2	21UR-5273
2641877_adh	TTGAGTAGAAATGCAAGGTTG	21	361	21UR-5305

726289_adh	ATTGAGTAGAAATGCAAGGTTG	22	1	21UR-5305
2641878_adh	TTGAGTAGAAATGCAAGGTTGAA	23	2	21UR-5305
1788061_adh	TAAGTCTCTTTGTCATGCATA	21	113	21UR-5307
200793_adh	AATAAGTCTCTTTGTCATGCATA	23	1	21UR-5307
1967874_adh	TCAGTTTTGAACAGCGGTAAC	21	1687	21UR-5320
1967875_adh	TCAGTTTTGAACAGCGGTAACAA	23	2	21UR-5320
1967876_adh	TCAGTTTTGAACAGCGGTAACAAT	24	1	21UR-5320
2300751_adh	TGCGGAAGAATACCGAGTAGT	21	221	21UR-5322
2300752_adh	TGCGGAAGAATACCGAGTAGTT	22	1	21UR-5322
1825945_adh	TACGGAGATTGAACAAAAAAT	21	694	21UR-5329
1825947_adh	TACGGAGATTGAACAAAAAATC	22	3	21UR-5329
204097_adh	AATACGGAGATTGAACAAAAAAT	23	2	21UR-5329
1924232_adh	TATTCGAATGTACATTTTCATC	21	24	21UR-5335
619966_adh	ATATTGGAATGTACATTTTCATC	22	1	21UR-5335
2719976_adh	TTTGATTGACAGAATTGGGAT	21	6618	21UR-5338
1122585_adh	CTTTGATTGACAGAATTGGGAT	22	4	21UR-5338
2719981_adh	TTTGATTGACAGAATTGGGATT	22	10	21UR-5338
2719986_adh	TTTGATTGACAGAATTGGGATTTC	25	1	21UR-5338
2139779_adh	TGAATATGAGTATGACGGTAG	21	16882	21UR-5342
1065124_adh	CTGAATATGAGTATGACGGTAG	22	13	21UR-5342
2139796_adh	TGAATATGAGTATGACGGTAGT	22	116	21UR-5342
2139816_adh	TGAATATGAGTATGACGGTAGTT	23	11	21UR-5342
2139822_adh	TGAATATGAGTATGACGGTAGTTT	24	2	21UR-5342
2139824_adh	TGAATATGAGTATGACGGTAGTTTT	25	1	21UR-5342
2139825_adh	TGAATATGAGTATGACGGTAGTTTTT	26	1	21UR-5342
2721094_adh	TTTGCAATTGGAGCAGTGGAA	21	1177	21UR-5350
2721096_adh	TTTGCAATTGGAGCAGTGGAAC	22	14	21UR-5350
2721098_adh	TTTGCAATTGGAGCAGTGGAACT	23	1	21UR-5350
1844214_adh	TAGAATTGGAAGACGAGAAAA	21	3258	21UR-5357
1844218_adh	TAGAATTGGAAGACGAGAAAAACT	25	1	21UR-5357
2034617_adh	TCTATGTACAACGGTTCTCTC	21	977	21UR-5385
2034618_adh	TCTATGTACAACGGTTCTCTCA	22	3	21UR-5385
2034619_adh	TCTATGTACAACGGTTCTCTCAA	23	2	21UR-5385
1812859_adh	TACAGTGTGAAAATGAAGGT	21	258	21UR-5389
1812860_adh	TACAGTGTGAAAATGAAGGTA	22	1	21UR-5389
203178_adh	AATACAGTGTGAAAATGAAGGT	23	1	21UR-5389
2685724_adh	TTGTTGCACAGAATCAAAAAA	21	12	21UR-5394
254465_adh	AATTGTTGCACAGAATCAAAAAA	23	1	21UR-5394
2571777_adh	TTAGTGCATTACCTCATATTC	21	40	21UR-5409
245040_adh	AATTAGTGCATTACCTCATATTC	23	1	21UR-5409
2063087_adh	TCTTTTTGGAGTGTGGTCATC	21	2622	21UR-5410
2063088_adh	TCTTTTTGGAGTGTGGTCATCA	22	20	21UR-5410
2063089_adh	TCTTTTTGGAGTGTGGTCATCAA	23	2	21UR-5410
2063090_adh	TCTTTTTGGAGTGTGGTCATCAAA	24	1	21UR-5410
1775292_adh	TAAGACATCGGAACACAAATC	21	593	21UR-5413
1775297_adh	TAAGACATCGGAACACAAATCT	22	1	21UR-5413
1775299_adh	TAAGACATCGGAACACAAATCTTTG	25	1	21UR-5413
1926563_adh	TATTGCTAGATTTTGGGTCCC	21	291	21UR-5416
1926564_adh	TATTGCTAGATTTTGGGTCCCA	22	1	21UR-5416
2672506_adh	TTGGTTGAGATCTCACGCGGA	21	804	21UR-5426

2672507_adh	TTGGTTGAGATCTCACGCGGAA	22	14	21UR-5426
2672508_adh	TTGGTTGAGATCTCACGCGGAAA	23	7	21UR-5426
2622255_adh	TTCTTCTTCCTGATCGTTTGA	21	3743	21UR-5432
2622256_adh	TTCTTCTTCCTGATCGTTTGA	22	6	21UR-5432
2622258_adh	TTCTTCTTCCTGATCGTTTGAATT	24	4	21UR-5432
2697307_adh	TTTAGTGCATACAATGGAGAA	21	73	21UR-5435
2697308_adh	TTTAGTGCATACAATGGAGAAT	22	2	21UR-5435
739271_adh	ATTTAGTGCATACAATGGAGAA	22	1	21UR-5435
2137395_adh	TGAATAATTCGGTGTTGTAGA	21	1220	21UR-5437
2137397_adh	TGAATAATTCGGTGTTGTAGAT	22	1	21UR-5437
2507152_adh	TGTGATAGGGAAATAAAGACG	21	1652	21UR-5450
2507153_adh	TGTGATAGGGAAATAAAGACGA	22	3	21UR-5450
2507155_adh	TGTGATAGGGAAATAAAGACGAT	23	8	21UR-5450
2584653_adh	TTATTTTTTCAGAGAGTCAGGA	21	305	21UR-5462
2584654_adh	TTATTTTTTCAGAGAGTCAGGAT	22	1	21UR-5462
245910_adh	AATTATTTTTTCAGAGAGTCAGGA	23	2	21UR-5462
2584655_adh	TTATTTTTTCAGAGAGTCAGGATACA	25	1	21UR-5462
2740633_adh	TTTTGAACAATCGGAAACACA	21	567	21UR-5464
1124443_adh	CTTTTGAACAATCGGAAACACA	22	1	21UR-5464
2740634_adh	TTTTGAACAATCGGAAACACAA	22	1	21UR-5464
1927068_adh	TATTGGATTTAGATCTGGAGA	21	138	21UR-5486
1927069_adh	TATTGGATTTAGATCTGGAGAGA	23	1	21UR-5486
2670942_adh	TTGGTGCCTATTGCTAGAATC	21	48	21UR-5488
2670943_adh	TTGGTGCCTATTGCTAGAATCC	22	1	21UR-5488
253124_adh	AATTGGTGCCTATTGCTAGAATC	23	1	21UR-5488
2702167_adh	TTTCAATTGTAGACTGAGGGC	21	6453	21UR-5503
2702172_adh	TTTCAATTGTAGACTGAGGGCT	22	1	21UR-5503
2670939_adh	TTGGTGCCTACTACTGGAATC	21	33	21UR-5522
253123_adh	AATTGGTGCCTACTACTGGAATC	23	1	21UR-5522
2740484_adh	TTTTGAAAAGCTGACAGGGGG	21	927	21UR-5525
2740488_adh	TTTTGAAAAGCTGACAGGGGGT	22	8	21UR-5525
747154_adh	ATTTTGAAAAGCTGACAGGGGG	22	1	21UR-5525
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2740490_adh	TTTTGAAAAGCTGACAGGGGGTAAT	25	1	21UR-5525
1996015_adh	TCGAAGACTCAAAAGTGTAAGA	21	506	21UR-5527
1996020_adh	TCGAAGACTCAAAAGTGTAAGAC	22	2	21UR-5527
1996021_adh	TCGAAGACTCAAAAGTGTAAGACA	23	1	21UR-5527
1996022_adh	TCGAAGACTCAAAAGTGTAAGACAGT	25	5	21UR-5527
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2307583_adh	TGCTCGTCTAATTTGGTAAGA	21	25	21UR-5541
230974_adh	AATGCTCGTCTAATTTGGTAAGA	23	1	21UR-5541
2146099_adh	TGAATTCGGCTGATTATTATC	21	1236	21UR-5543
2146101_adh	TGAATTCGGCTGATTATTATCT	22	2	21UR-5543
2707792_adh	TTTCGGATCGAAAGTAATACT	21	607	21UR-5548
2707793_adh	TTTCGGATCGAAAGTAATACTA	22	1	21UR-5548
2707794_adh	TTTCGGATCGAAAGTAATACTAA	23	2	21UR-5548
2369299_adh	TGGAATTCACATGTGGAATTT	21	71	21UR-5552
2369300_adh	TGGAATTCACATGTGGAATTTA	22	1	21UR-5552
232244_adh	AATGGAATTCACATGTGGAATTT	23	1	21UR-5552
1958806_adh	TCAGAGATCAAACATACATAGG	21	7	21UR-5564

627406_adh	ATCAGAGATCAAACACTACATAGG	22	1	21UR-5564
2719435_adh	TTTGATGTACTGGAATATGG	21	1904	21UR-5574
2719436_adh	TTTGATGTACTGGAATATGGA	22	19	21UR-5574
2719437_adh	TTTGATGTACTGGAATATGGAA	23	3	21UR-5574
2719438_adh	TTTGATGTACTGGAATATGGAAA	24	1	21UR-5574
2719774_adh	TTTGATTCCATTAGGTCATCA	21	5	21UR-5588
742987_adh	ATTTGATTCCATTAGGTCATCA	22	1	21UR-5588
256202_adh	AATTTGATTCCATTAGGTCATCA	23	1	21UR-5588
2645638_adh	TTGATGTTGCACCAGGTGGAA	21	88	21UR-5599
2719540_adh	TTTGATGTTGCACCAGGTGGAA	22	1	21UR-5599
2037181_adh	TCTCACTCAAGTTCAGACGGT	21	163	21UR-5607
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2037183_adh	TCTCACTCAAGTTCAGACGGTAATAA	26	1	21UR-5607
2540936_adh	TTAAAGAGAAGAACGATTA	21	1054	21UR-5610
2540937_adh	TTAAAGAGAAGAACGATTA	23	4	21UR-5610
2617529_adh	TTCTCTCAAGTAGATATCGG	21	276	21UR-5638
2617530_adh	TTCTCTCAAGTAGATATCGGA	22	2	21UR-5638
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2642052_adh	TTGAGTAGTTAAAATGAGCATAA	23	9	21UR-5675
2642054_adh	TTGAGTAGTTAAAATGAGCATAAG	24	1	21UR-5675
2642055_adh	TTGAGTAGTTAAAATGAGCATAAGT	25	4	21UR-5675
2722725_adh	TTTGCTTGAATCGTCACTTT	21	239	21UR-5681
1122839_adh	CTTTGCTTGAATCGTCACTTT	22	2	21UR-5681
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2590370_adh	TTCAGAAGAAGAAATTTGGAA	23	1	21UR-5718
2724859_adh	TTTGGGCTGATTTGTCGGAAA	21	191	21UR-5728
2724860_adh	TTTGGGCTGATTTGTCGGAAA	26	1	21UR-5728
2614043_adh	TTCTAATCGGTCTCAATCAAT	21	155	21UR-5732
248725_adh	AATTCTAATCGGTCTCAATCAAT	23	1	21UR-5732
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2611122_adh	TTCGTACGTTGGAAGCTAAAT	21	1087	21UR-5758
2611123_adh	TTCGTACGTTGGAAGCTAAATA	22	2	21UR-5758
2611125_adh	TTCGTACGTTGGAAGCTAAATAT	23	1	21UR-5758
2159350_adh	TGACCAAAACTCTCGGCATTT	21	348	21UR-5760
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2159353_adh	TGACCAAAACTCTCGGCATTT	24	2	21UR-5760
2159356_adh	TGACCAAAACTCTCGGCATTT	25	1	21UR-5760
2159357_adh	TGACCAAAACTCTCGGCATTT	26	1	21UR-5760
2035360_adh	TCTCAAATTGATCTGTTGAGG	21	17	21UR-5800
221568_adh	AATCTCAAATTGATCTGTTGAGG	23	6	21UR-5800
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1830029_adh	TACTAGAGAAGTAGAAGTCAT	21	4118	21UR-5858
1847229_adh	TAGAGAAGTAGAAGTCATTTG	21	134	21UR-5858
1830033_adh	TACTAGAGAAGTAGAAGTCATT	22	2	21UR-5858

597710_adh	ATACTAGAGAAGTAGAAGTCAT	22	3	21UR-5858
204508_adh	AATACTAGAGAAGTAGAAGTCAT	23	3	21UR-5858
1830037_adh	TACTAGAGAAGTAGAAGTCATTTGC	25	1	21UR-5858
1865007_adh	TAGGATATAGAATGAATCATT	21	35	21UR-5878
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2167932_adh	TGACTCGATAGATTGCTCACT	21	43	21UR-5883
226560_adh	AATGACTCGATAGATTGCTCACT	23	1	21UR-5883
1868608_adh	TAGGGATATTGCTAGGAAGAC	21	1859	21UR-5886
1868609_adh	TAGGGATATTGCTAGGAAGACA	22	1	21UR-5886
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1868612_adh	TAGGGATATTGCTAGGAAGACACAA	25	2	21UR-5886
1868613_adh	TAGGGATATTGCTAGGAAGACACAAC	26	2	21UR-5886
1860596_adh	TAGGAAAGTATGTAGGAAAGT	21	841	21UR-5897
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1860598_adh	TAGGAAAGTATGTAGGAAAGTAAAGT	26	1	21UR-5897
2290769_adh	TGCATGGGCGGATTTTCAGTTT	21	89	21UR-5913
229566_adh	AATGCATGGGCGGATTTTCAGTTT	23	1	21UR-5913
2285959_adh	TGCACACACGAGGTACGGCAT	21	151	21UR-5921
2285960_adh	TGCACACACGAGGTACGGCATT	22	2	21UR-5921
2562548_adh	TTAGAGAGAGTTTCGGAAATT	21	91	21UR-5929
706624_adh	ATTAGAGAGAGTTTCGGAAATT	22	1	21UR-5929
1835336_adh	TACTTGGACAGATGAAGTTTT	21	108	21UR-5934
600712_adh	ATACTTGGACAGATGAAGTTTT	22	2	21UR-5934
2539584_adh	TTAAACAGTGAATTAGGAAT	21	916	21UR-5937
2539587_adh	TTAAACAGTGAATTAGGAATT	22	3	21UR-5937
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2609267_adh	TTCGGGGCACGAACGGTTAATT	22	4	21UR-5941
2609268_adh	TTCGGGGCACGAACGGTTAATTAT	24	1	21UR-5941
1891799_adh	TATCACAATGCAGCTAGAATT	21	373	21UR-5946
1891800_adh	TATCACAATGCAGCTAGAATTAA	23	2	21UR-5946
208038_adh	AATATCACAATGCAGCTAGAATT	23	1	21UR-5946
2616254_adh	TTCTCCAGTTGACTCTATTTTC	21	689	21UR-5950
2616255_adh	TTCTCCAGTTGACTCTATTTCAA	23	1	21UR-5950
2031645_adh	TCTACGGAGCAAGAGGGAAAA	21	200	21UR-5953
2031646_adh	TCTACGGAGCAAGAGGGAAAAT	22	1	21UR-5953
2031647_adh	TCTACGGAGCAAGAGGGAAAAATA	24	1	21UR-5953
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2046452_adh	TCTGAGTAGCAATTTTTGAAA	21	951	21UR-5975
2046457_adh	TCTGAGTAGCAATTTTTGAAAG	22	1	21UR-5975
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2046459_adh	TCTGAGTAGCAATTTTTGAAAGGA	24	4	21UR-5975
2046460_adh	TCTGAGTAGCAATTTTTGAAAGGAA	25	1	21UR-5975
2728674_adh	TTTGTC AAGATAGAAGATAGT	21	656	21UR-6008
2728677_adh	TTTGTC AAGATAGAAGATAGTT	22	3	21UR-6008
256850_adh	AATTTGTC AAGATAGAAGATAGT	23	1	21UR-6008
2182205_adh	TGAGACAAGAATACTTATTCA	21	252	21UR-6020
2182206_adh	TGAGACAAGAATACTTATTCACAA	24	1	21UR-6020

2624026_adh	TTCTTTTTGGAGTGTGGTCAT	21	129	21UR-6041
249354_adh	AATTCTTTTTGGAGTGTGGTCAT	23	1	21UR-6041
1961782_adh	TCAGATTGGAATTAATAATTGG	21	18	21UR-6045
1961783_adh	TCAGATTGGAATTAATAATTGGT	22	1	21UR-6045
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2505636_adh	TGTGAGAAGGGAATTTGTCGAA	22	4	21UR-6059
734620_adh	ATTGTGAGAAGGGAATTTGTCGAAAA	26	1	21UR-6059
2055987_adh	TCTTCGAAGGCATTATTTTCT	21	108	21UR-6062
222961_adh	AATCTTCGAAGGCATTATTTTCT	23	1	21UR-6062
1854798_adh	TAGCAGTTCGAGGAAATAAAA	21	15	21UR-6077
1854800_adh	TAGCAGTTCGAGGAAATAAAAAGT	23	1	21UR-6077
1780884_adh	TAAGATTGTTAGAGAAATTGG	21	1395	21UR-6085
1026869_adh	CTAAGATTGTTAGAGAAATTGG	22	1	21UR-6085
1780889_adh	TAAGATTGTTAGAGAAATTGGG	22	5	21UR-6085
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2605985_adh	TTCGATTTTGAGAAAAGTGGC	21	3263	21UR-6098
1103456_adh	CTTCGATTTTGAGAAAAGTGGC	22	1	21UR-6098
2605988_adh	TTCGATTTTGAGAAAAGTGGCC	22	2	21UR-6098
2689517_adh	TTTAAATGGGCAGAAAAAAGT	21	133	21UR-6106
254646_adh	AATTTAAATGGGCAGAAAAAAGT	23	1	21UR-6106
2711241_adh	TTTCTTAGGGCTTTTGGCAA	21	856	21UR-6123
2711244_adh	TTTCTTAGGGCTTTTGGCAAAT	22	1	21UR-6123
2739988_adh	TTTTCTTAGGGCTTTTGGCAA	22	1	21UR-6123
2739990_adh	TTTTCTTAGGGCTTTTGGCAAAT	23	1	21UR-6123
2739991_adh	TTTTCTTAGGGCTTTTGGCAAATT	24	1	21UR-6123
2739992_adh	TTTTCTTAGGGCTTTTGGCAAATTT	25	1	21UR-6123
2742125_adh	TTTTGCAAGGATATATACGGA	21	125	21UR-6156
2721033_adh	TTTGCAAGGATATATACGGAT	21	1033_x1	21UR-6156
2742128_adh	TTTTGCAAGGATATATACGGAT	22	5	21UR-6156
747497_adh	ATTTTGCAAGGATATATACGGA	22	1	21UR-6156
2741471_adh	TTTTGAGTCTAATGAAACAAT	21	1	21UR-6157
257450_adh	AATTTTGAGTCTAATGAAACAAT	23	1	21UR-6157
2712406_adh	TTTGAAAAGCTGACAGGGGGT	21	470	21UR-6159
2712407_adh	TTTGAAAAGCTGACAGGGGGTA	22	1	21UR-6159
2712408_adh	TTTGAAAAGCTGACAGGGGGTAA	23	3	21UR-6159
2712409_adh	TTTGAAAAGCTGACAGGGGGTAAT	24	2	21UR-6159
2623045_adh	TTCTTGATTAAACCGTGAAA	21	3	21UR-6196
249317_adh	AATTCTTGATTAAACCGTGAAA	23	1	21UR-6196
1883560_adh	TAGTTTTTATCCGGACAACCT	21	859	21UR-6202
207666_adh	AATAGTTTTTATCCGGACAACCT	23	3	21UR-6202
1827279_adh	TACGGTCAATTATTTAAACTC	21	105	21UR-6203
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204169_adh	AATACGGTCAATTATTTAAACTC	23	1	21UR-6203
1869952_adh	TAGGGTTGATGAGTTAAGTTT	21	348	21UR-6207
1869953_adh	TAGGGTTGATGAGTTAAGTTTT	22	2	21UR-6207
2008294_adh	TCGCTACGCTTTTTCTTTTA	21	5	21UR-6292
218977_adh	AATCGCTACGCTTTTTCTTTTA	23	1	21UR-6292
2698219_adh	TTTATATATCGTGTTGACTTA	21	241	21UR-6328
739394_adh	ATTTATATATCGTGTTGACTTA	22	1	21UR-6328
2606572_adh	TTCGCGAGGGCGCTTTTTACC	21	49	21UR-6359

247301_adh	AATTCGCGAGGGCGCTTTTTACC	23	1	21UR-6359
2373288_adh	TGGACAAATTATAAGGAGACA	21	726	21UR-6364
2373289_adh	TGGACAAATTATAAGGAGACACTGT	25	1	21UR-6364
1783447_adh	TAAGCTCTCGGAATTTTCTTA	21	39	21UR-6367
1783448_adh	TAAGCTCTCGGAATTTTCTTAAA	23	1	21UR-6367
1854572_adh	TAGCAGCCTCTTAACTACAAA	21	17	21UR-6386
1854573_adh	TAGCAGCCTCTTAACTACAAAATTTG	26	1	21UR-6386
2490518_adh	TGTATAGAAGTCCGGATGATC	21	132	21UR-6394
695363_adh	ATGTATAGAAGTCCGGATGATC	22	1	21UR-6394
2744939_adh	TTTTTACGTATCTGATTTCCA	21	51	21UR-6405
257592_adh	AATTTTTACGTATCTGATTTCCA	23	1	21UR-6405
2582429_adh	TTATTGCAGAATATGGACTAC	21	2628	21UR-6409
1100094_adh	CTTATTGCAGAATATGGACTAC	22	5	21UR-6409
2582430_adh	TTATTGCAGAATATGGACTACA	22	2	21UR-6409
2582431_adh	TTATTGCAGAATATGGACTACAA	23	8	21UR-6409
1923766_adh	TATTCATATGGTAGAAAAAAG	21	162	21UR-6417
1923767_adh	TATTCATATGGTAGAAAAAAGC	22	3	21UR-6417
1923768_adh	TATTCATATGGTAGAAAAAAGCAT	24	1	21UR-6417
2714388_adh	TTTGAATGTCGGCAACGTTTC	21	645	21UR-6424
1422957_adh	GCTTTGAATGTCGGCAACGTTTCCT	25	1	21UR-6424
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205777_adh	AATAGATCCAAATTAATCGGCAT	23	2	21UR-6443
1804130_adh	TAATTGGTTCGAGATAAACTTT	21	11	21UR-6445
202725_adh	AATAATTGGTCGAGATAAACTTT	23	1	21UR-6445
1777885_adh	TAAGATAATTCTGCCTACTTT	21	12	21UR-6449
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2729910_adh	TTTGTGGCACACATGTAAATT	21	38	21UR-6452
256915_adh	AATTTGTGGCACACATGTAAATT	23	1	21UR-6452
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1929195_adh	TATTTACTCACTGGAAAATTGA	22	1	21UR-6475
1908070_adh	TATGACGAACAATTCAACTCT	21	29	21UR-6476
1908071_adh	TATGACGAACAATTCAACTCTA	22	1	21UR-6476
1908073_adh	TATGACGAACAATTCAACTCTACTGC	26	1	21UR-6476
2739767_adh	TTTTCTGTTCGTGGACACAAT	21	2988	21UR-6485
2739768_adh	TTTTCTGTTCGTGGACACAATT	22	3	21UR-6485
2739771_adh	TTTTCTGTTCGTGGACACAATTT	23	1	21UR-6485
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1916489_adh	TATGGTCCCGGAATCAATCAGT	22	1	21UR-6497
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1787882_adh	TAAGTCCTGGATTGAAATTTTA	22	1	21UR-6520
2621301_adh	TTCTTCGAAGATCTTCAAGGG	21	31	21UR-6527
249192_adh	AATTCTTCGAAGATCTTCAAGGG	23	1	21UR-6527
1830344_adh	TACTAGTGCTTCGGAAAACAA	21	55	21UR-6535
597744_adh	ATACTAGTGCTTCGGAAAACAA	22	1	21UR-6535
204526_adh	AATACTAGTGCTTCGGAAAACAA	23	1	21UR-6535
2552551_adh	TTAATTTAAAGCACGAGACTT	21	382	21UR-6576
704487_adh	ATTAATTTAAAGCACGAGACTT	22	1	21UR-6576
2561722_adh	TTAGAATCTAGAGTTGAGCAA	21	68	21UR-6612
2561723_adh	TTAGAATCTAGAGTTGAGCAAAA	23	1	21UR-6612
1964646_adh	TCAGGTAAGTAAGAAAACATA	21	1262	21UR-6638

1964647_adh	TCAGGTAAGTAAGAAAATAAA	22	1	21UR-6638
213589_adh	AATCAGGTAAGTAAGAAAATAAA	23	3	21UR-6638
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2556850_adh	TTACGCACACGGTGAAGATTT	21	31	21UR-6649
1096268_adh	CTTACGCACACGGTGAAGATTT	22	1	21UR-6649
2066531_adh	TGAAAAATTCCTAAGATGGTG	21	161	21UR-6656
223373_adh	AATGAAAAATTCCTAAGATGGTG	23	1	21UR-6656
2687247_adh	TTGTTTCTACATCGTTGGGGC	21	223	21UR-6689
254585_adh	AATTGTTTCTACATCGTTGGGGC	23	1	21UR-6689
1810898_adh	TACACCCAGAATAAATTCAG	21	18	21UR-6700
1810899_adh	TACACCCAGAATAAATTCAGA	22	1	21UR-6700
1810900_adh	TACACCCAGAATAAATTCAGAA	23	1	21UR-6700
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1978604_adh	TCCAGGAACTCAAGGGACGATT	22	2	21UR-6712
1773155_adh	TAAGAAAACCTGGACGTTTACACA	21	15	21UR-6718
1773156_adh	TAAGAAAACCTGGACGTTTACACAAA	23	1	21UR-6718
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2042660_adh	TCTCTCTGCATATATCTCATT	21	638	21UR-6737
2042661_adh	TCTCTCTGCATATATCTCATT	22	1	21UR-6737
1931436_adh	TATTTTTGTGCAACTTCTTGA	21	62	21UR-6754
1931437_adh	TATTTTTGTGCAACTTCTTGA	22	1	21UR-6754
2597326_adh	TTCCATGCATTTACATTTGAA	21	9	21UR-6766
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2568508_adh	TTAGGCATTGGTGTACTTGCGT	22	7	21UR-6768
2568509_adh	TTAGGCATTGGTGTACTTGCGTG	23	1	21UR-6768
2568510_adh	TTAGGCATTGGTGTACTTGCGTGT	24	2	21UR-6768
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628414_adh	ATCAGTAACGTCTCTTTTTCT	22	1	21UR-6778
2139393_adh	TGAATATGAATGACGAACGGA	21	2177	21UR-6799
2139398_adh	TGAATATGAATGACGAACGGAT	22	6	21UR-6799
662890_adh	ATGAATATGAATGACGAACGGA	22	1	21UR-6799
224823_adh	AATGAATATGAATGACGAACGGA	23	2	21UR-6799
2139400_adh	TGAATATGAATGACGAACGGATGT	24	1	21UR-6799
1941991_adh	TCAATGATTAACGGTACTACT	21	37	21UR-6804
210582_adh	AATCAATGATTAACGGTACTACT	23	1	21UR-6804
1838413_adh	TAGAACGACGCCAACGATATT	21	48	21UR-6818
542353_adh	AGTAGAACGACGCCAACGATATTC	24	1	21UR-6818
1838414_adh	TAGAACGACGCCAACGATATTCTAA	25	2	21UR-6818
1985447_adh	TCCGCGGTTCGTACGGCAGATT	21	539	21UR-6828
1985449_adh	TCCGCGGTTCGTACGGCAGATTT	22	2	21UR-6828
215550_adh	AATCCGCGGTTCGTACGGCAGATT	23	1	21UR-6828
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2648727_adh	TTGCAAGTACGACCACGAAAG	21	33	21UR-6844
1111095_adh	CTTGCAAGTACGACCACGAAAG	22	1	21UR-6844
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1805012_adh	TAATTTTCGTCAGCATGGCTAGT	22	2	21UR-6910
2677238_adh	TTGTATTGATGGTATGGGCT	21	94	21UR-6913

2677240_adh	TTGTATTGATGGTGATGGGCTT	22	2	21UR-6913
2644073_adh	TTGATCATTTCATGTAACGGTT	21	138	21UR-6916
250704_adh	AATTGATCATTTCATGTAACGGTT	23	2	21UR-6916
1919972_adh	TATTAAATGAAGTAGAAAAA	21	100	21UR-6933
1919974_adh	TATTAAATGAAGTAGAAAAAAT	22	4	21UR-6933
1782809_adh	TAAGCGTAATGTGTCTGGACGC	21	48	21UR-6937
1782811_adh	TAAGCGTAATGTGTCTGGACGCTAAT	25	1	21UR-6937
750583_adh	CAAAAAAGAGTAGAAGGAATC	21	516	21UR-6939
750584_adh	CAAAAAAGAGTAGAAGGAATCA	22	1	21UR-6939
2391989_adh	TGGATGGTTGAAGAAGGAGTA	21	1605	21UR-6953
2391991_adh	TGGATGGTTGAAGAAGGAGTAT	22	4	21UR-6953
2391992_adh	TGGATGGTTGAAGAAGGAGTATCGT	25	1	21UR-6953
2131384_adh	TGAAGCGCTGAAAATCATCAA	21	16	21UR-6955
224570_adh	AATGAAGCGCTGAAAATCATCAA	23	1	21UR-6955
1962326_adh	TCAGCATAACTCATTTTTTAA	21	52	21UR-7003
213475_adh	AATCAGCATAACTCATTTTTTAA	23	1	21UR-7003
2581379_adh	TTATTCATTTCGGACAAAAATT	21	632	21UR-7014
1099963_adh	CTTATTCATTTCGGACAAAAATT	22	1	21UR-7014
2581380_adh	TTATTCATTTCGGACAAAAATT	22	1	21UR-7014
1821086_adh	TACCTGTGTGTTTGTTACAAA	21	11	21UR-7025
595770_adh	ATACCTGTGTGTTTGTTACAAA	22	1	21UR-7025
1764945_adh	TAACAGACTTATAAAGACATT	21	120	21UR-7029
1025913_adh	CTAACAGACTTATAAAGACATT	22	1	21UR-7029
1929123_adh	TATTTAATTTTTCGCGAGTAGAA	21	173	21UR-7045
2693036_adh	TTTAATTTTTCGCGAGTAGAAAA	21	1	36_x1/21UR-7045
1929124_adh	TATTTAATTTTTCGCGAGTAGAAAA	23	2	21UR-7045
1824022_adh	TACGATCTTCGGCAAGCTTTC	21	28	21UR-7048
1824024_adh	TACGATCTTCGGCAAGCTTCTCAGT	26	1	21UR-7048
1901979_adh	TATGAAGTTGAATGGGCATTT	21	26	21UR-7126
1901980_adh	TATGAAGTTGAATGGGCATTTT	22	1	21UR-7126
1803858_adh	TAATTGATTGTCTCCGGTCTT	21	11	21UR-7131
202702_adh	AATAATTGATTGTCTCCGGTCTT	23	1	21UR-7131
2715302_adh	TTTGACGTGACTTCGTTCTGA	21	43	21UR-7141
2715303_adh	TTTGACGTGACTTCGTTCTGAA	22	3	21UR-7141
2715304_adh	TTTGACGTGACTTCGTTCTGAAA	23	4	21UR-7141
2552817_adh	TTAATTTTCGCGTACACGAATT	21	5	21UR-7191
244174_adh	AATTAATTTTCGCGTACACGAATT	23	1	21UR-7191
2534949_adh	TGTTTTTAGAATTTTAGTCGG	21	866	21UR-7192
2534953_adh	TGTTTTTAGAATTTTAGTCGGT	22	6	21UR-7192
2534954_adh	TGTTTTTAGAATTTTAGTCGGTAT	24	1	21UR-7192
2015448_adh	TCGGCCTGTCATATCGTCATC	21	921	21UR-7199
2015449_adh	TCGGCCTGTCATATCGTCATCA	22	14	21UR-7199
646872_adh	ATCGGCCTGTCATATCGTCATC	22	2	21UR-7199
219943_adh	AATCGGCCTGTCATATCGTCATC	23	7	21UR-7199
1872501_adh	TAGGTTGTAAATTTTATCGC	21	27	21UR-7205
1872502_adh	TAGGTTGTAAATTTTATCGCAA	23	1	21UR-7205
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2286208_adh	TGCACCACATCGTCGAAATTAC	22	1	21UR-7225
672965_adh	ATGCACCACATCGTCGAAATTA	22	1	21UR-7225
2286209_adh	TGCACCACATCGTCGAAATTACAT	24	1	21UR-7225

1890375_adh	TATATGGGAAATGGGAAATAA	21	59	21UR-7240
1890376_adh	TATATGGGAAATGGGAAATAAT	22	1	21UR-7240
2683601_adh	TTGTTCCAATCTTCATGGAAT	21	32	21UR-7250
253960_adh	AATTGTTCCAATCTTCATGGAAT	23	1	21UR-7250
2561879_adh	TTAGAATTTTAGTTGACTATG	21	11	21UR-7255
2561880_adh	TTAGAATTTTAGTTGACTATGGTA	24	1	21UR-7255
2561881_adh	TTAGAATTTTAGTTGACTATGGTAT	25	2	21UR-7255
2169194_adh	TGACTGAACATCAAAGGAGAA	21	713	21UR-7261
2169195_adh	TGACTGAACATCAAAGGAGAAA	22	1	21UR-7261
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1877830_adh	TAGTGAGACTGTTCTGAAAAAT	22	1	21UR-7267
1851135_adh	TAGATCTTGACAGAAGAACAA	21	3210	21UR-7310
1851136_adh	TAGATCTTGACAGAAGAACAAAA	23	2	21UR-7310
1783846_adh	TAAGGAAATTATTAGAATGAA	21	444	21UR-7312
1783847_adh	TAAGGAAATTATTAGAATGAAA	22	1	21UR-7312
1914037_adh	TATGGAGAATGTATGTATTGT	21	243	21UR-7347
1914038_adh	TATGGAGAATGTATGTATTGTA	22	2	21UR-7347
1852716_adh	TAGCAAAAGTGAGCTGAAATA	21	1155	21UR-7348
1852717_adh	TAGCAAAAGTGAGCTGAAATAC	22	1	21UR-7348
205888_adh	AATAGCAAAAGTGAGCTGAAATA	23	3	21UR-7348
1850361_adh	TAGATAGGCAGGATTGCAAAA	21	44	21UR-7349
1850362_adh	TAGATAGGCAGGATTGCAAAAT	22	1	21UR-7349
2644451_adh	TTGATCTCCAATTAAGGATAA	21	4	21UR-7365
726908_adh	ATTGATCTCCAATTAAGGATAA	22	1	21UR-7365
1928108_adh	TATTGTGTTGAGAGATTTTT	21	233	21UR-7393
1928109_adh	TATTGTGTTGAGAGATTTTTT	22	1	21UR-7393
1851904_adh	TAGATTACGTGAATAAAGAGA	21	9	21UR-7436
2565705_adh	TTAGATTACGTGAATAAAGAGA	22	1	21UR-7436
1823836_adh	TACGATCACTGGTTTATTTGT	21	39	21UR-7437
1823837_adh	TACGATCACTGGTTTATTTGTAA	23	1	21UR-7437
2590328_adh	TTCAGAACTATTCGACTGCTT	21	568	21UR-7495
711906_adh	ATTCAGAACTATTCGACTGCTT	22	1	21UR-7495
246129_adh	AATTCAGAACTATTCGACTGCTT	23	1	21UR-7495
1946438_adh	TCACATTTTAGATAACTGGTT	21	1112	21UR-7569
212566_adh	AATCACATTTTAGATAACTGGTT	23	2	21UR-7569
1946442_adh	TCACATTTTAGATAACTGGTTTCTTA	26	1	21UR-7569
1860063_adh	TAGGAAAACGAAAACGCATA	21	899	21UR-7574
1035201_adh	CTAGGAAAACGAAAACGCATA	22	2	21UR-7574
1860064_adh	TAGGAAAACGAAAACGCATAT	22	2	21UR-7574
1860065_adh	TAGGAAAACGAAAACGCATATC	23	1	21UR-7574
2690596_adh	TTTAAGGATTGAAGGTATTTT	21	1031	21UR-7584
2548393_adh	TTAAGGATTGAAGGTATTTT	21	7 393_x7/21	21UR-7584
2690598_adh	TTTAAGGATTGAAGGTATTTT	22	1	21UR-7584
1326459_adh	GATTTAAGGATTGAAGGTATTTT	24	1	21UR-7584
2059994_adh	TCTTGTGTTCCGGTTTCAAA	21	1	21UR-7596
223200_adh	AATCTTGTGTTCCGGTTTCAAA	23	1	21UR-7596
2550935_adh	TTAATGAACTTTTTAATCGGC	21	2938	21UR-7645
2550936_adh	TTAATGAACTTTTTAATCGGCA	22	9	21UR-7645
244109_adh	AATTAATGAACTTTTTAATCGGC	23	2	21UR-7645
2289152_adh	TGCAGTGACGGATCTGTTTT	21	4922	21UR-7654

1071339_adh	CTGCAGTGGACGGATCTGTTTT	22	2	21UR-7654
2289156_adh	TGCAGTGGACGGATCTGTTTT	22	15	21UR-7654
2289162_adh	TGCAGTGGACGGATCTGTTTTTG	23	1	21UR-7654
2050301_adh	TCTGGGAGACGGAGAATAAGA	21	180	21UR-7659
2050302_adh	TCTGGGAGACGGAGAATAAGAA	22	1	21UR-7659
2050303_adh	TCTGGGAGACGGAGAATAAGAAA	23	1	21UR-7659
1877079_adh	TAGTGAAACTCTTTTCTGATC	21	4	21UR-7668
1877080_adh	TAGTGAAACTCTTTTCTGATCGTCAA	26	1	21UR-7668
1952995_adh	TCACGAACTGAAACTACATTTT	22	1	21UR-7672
1952996_adh	TCACGAACTGAAACTACATTTTACAT	26	1	21UR-7672
2737659_adh	TTTTTCATCCGGCATAACTAAA	21	33	21UR-7676
2737660_adh	TTTTTCATCCGGCATAACTAAAAA	23	1	21UR-7676
2737661_adh	TTTTTCATCCGGCATAACTAAAAAAT	25	1	21UR-7676
2720350_adh	TTTGATTGTATACCAAATTTG	21	466	21UR-7678
1122632_adh	CTTTGATTGTATACCAAATTTG	22	1	21UR-7678
2720353_adh	TTTGATTGTATACCAAATTTGT	22	1	21UR-7678
1839031_adh	TAGAAGAATTTGTGCAAAAAT	21	210	21UR-7724
1839032_adh	TAGAAGAATTTGTGCAAAAATAA	23	2	21UR-7724
2121240_adh	TGAACAGTGAAGCAGAACTTT	21	834	21UR-7759
2121245_adh	TGAACAGTGAAGCAGAACTTTT	22	2	21UR-7759
2049737_adh	TCTGGATATGTTTAAAGGTGG	21	644	21UR-7761
2049738_adh	TCTGGATATGTTTAAAGGTGGA	22	5	21UR-7761
1836901_adh	TAGAAACAGTCCGAAAAAAGT	21	32	21UR-7772
205378_adh	AATAGAAACAGTCCGAAAAAAGT	23	1	21UR-7772
1753688_adh	TAAAATTTGTCCATACGAACC	21	3	21UR-7775
1753689_adh	TAAAATTTGTCCATACGAACCAA	23	1	21UR-7775
2713962_adh	TTTGAAGGATATAGGGCATT	21	174	21UR-7783
255975_adh	AATTTGAAGGATATAGGGCATT	23	1	21UR-7783
2389313_adh	TGGATATTTTGATCAACGGGA	21	122	21UR-7848
684383_adh	ATGGATATTTTGATCAACGGGA	22	1	21UR-7848
2053537_adh	TCTGTTTTGTCCGAAACTGTC	21	15	21UR-7911
657495_adh	ATCTGTTTTGTCCGAAACTGTC	22	1	21UR-7911
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1845655_adh	TAGACTCAGAAAAAACATTGACGA	24	1	21UR-7930
1813023_adh	TACATAAGATGTTTGTTTTCG	21	11	21UR-7933
593443_adh	ATACATAAGATGTTTGTTTTCG	22	1	21UR-7933
1761290_adh	TAAATGAATAAATCATT	21	4	21UR-7981
199459_adh	AATAAATGAATAAATCATT	23	1	21UR-7981
2595499_adh	TTCATTTGACGTTTATGAAAA	21	6	21UR-8005
246349_adh	AATTCATTTGACGTTTATGAAAA	23	1	21UR-8005
1925353_adh	TATTGAAGAAAAATGCACTGG	21	9	21UR-8033
1925354_adh	TATTGAAGAAAAATGCACTGGAA	23	1	21UR-8033
2729926_adh	TTTGTGGCGAAGAAGCATT	21	358	21UR-8053
2729928_adh	TTTGTGGCGAAGAAGCATT	25	1	21UR-8053
2729929_adh	TTTGTGGCGAAGAAGCATT	26	1	21UR-8053
220932_adh	AATCGTGTTAGTAAATAACCACT	23	1	21UR-8084
1900702_adh	TATCTTTTTAAGTCGTACATA	21	618	21UR-8093
1900704_adh	TATCTTTTTAAGTCGTACATAT	22	1	21UR-8093
752781_adh	CAAAATCTTTAGACGACAAAA	21	18	21UR-8107
752782_adh	CAAAATCTTTAGACGACAAAAAT	22	1	21UR-8107

2721378_adh	TTTGCATACCTCTAATAACCA	21	12	21UR-8116
256407_adh	AATTTGCATACCTCTAATAACCA	23	1	21UR-8116
1857630_adh	TAGCGTGATGTCATCTATTTG	21	153	21UR-8174
1034743_adh	CTAGCGTGATGTCATCTATTTG	22	1	21UR-8174
2712898_adh	TTTGAACACCATAACAATCTTT	21	101	21UR-8191
2712899_adh	TTTGAACACCATAACAATCTTTA	22	1	21UR-8191
255938_adh	AATTTGAACACCATAACAATCTTT	23	3	21UR-8191
2712900_adh	TTTGAACACCATAACAATCTTTAG	23	1	21UR-8191
2132000_adh	TGAAGCTGCAGAGATGAATCT	21	1309	21UR-8227
662191_adh	ATGAAGCTGCAGAGATGAATCT	22	1	21UR-8227
2618340_adh	TTCTGAGGGTTTTGCAATTGCA	22	1	21UR-8229
1782946_adh	TAAGCTAGAAAATGGATAAAT	21	811	21UR-8255
1782947_adh	TAAGCTAGAAAATGGATAAATATT	24	1	21UR-8255
1931031_adh	TATTTTGAATGGGCGCAGGAA	21	41	21UR-8316
1931032_adh	TATTTTGAATGGGCGCAGGAAT	22	1	21UR-8316
2703721_adh	TTTCATACCGTTGGAAAAATT	21	81	21UR-8341
1120726_adh	CTTTCATACCGTTGGAAAAATT	22	2	21UR-8341
1876124_adh	TAGTCAGAAAGCTATCGGTAT	21	99	21UR-8397
609681_adh	ATAGTCAGAAAGCTATCGGTAT	22	1	21UR-8397
1764803_adh	TAACACTTAGAACAGAATTCG	21	244	21UR-8406
1764804_adh	TAACACTTAGAACAGAATTCGAGA	24	1	21UR-8406
1790884_adh	TAATACAAATAGAAATATTGA	21	10	21UR-8490
1790886_adh	TAATACAAATAGAAATATTGAT	22	1	21UR-8490
1923025_adh	TATTATTCCGATTTTCAGATAG	21	14	21UR-8580
1923026_adh	TATTATTCCGATTTTCAGATAGG	22	1	21UR-8580
2706491_adh	TTTCCTTTTTGAACAACAGCA	21	44	21UR-8613
740651_adh	ATTTCCTTTTGAACAACAGCA	22	1	21UR-8613
1925173_adh	TATTCTTCAGGCAGTTGCAAA	21	2	21UR-8686
209154_adh	AATATTCTTCAGGCAGTTGCAAA	23	1	21UR-8686
1830215_adh	TACTAGCGATACTTTTTGCAG	21	34	21UR-8695
204521_adh	AATACTAGCGATACTTTTTGCAG	23	1	21UR-8695
2694031_adh	TTTACGTAGAAAACAATTTAA	21	319	21UR-8715
254825_adh	AATTTACGTAGAAAACAATTTAA	23	1	21UR-8715
2041203_adh	TCTCGTAGGAAAAAGCGGTTT	21	314	21UR-8766
2041205_adh	TCTCGTAGGAAAAAGCGGTTTT	22	2	21UR-8766
2041207_adh	TCTCGTAGGAAAAAGCGGTTTTGTGT	26	1	21UR-8766
1837945_adh	TAGAACAAGTAGTCTACGGCT	21	140	21UR-8787
1837946_adh	TAGAACAAGTAGTCTACGGCTT	22	1	21UR-8787
2685958_adh	TTGTTGGAAAAATCGTCTAAT	21	235	21UR-8823
2685959_adh	TTGTTGGAAAAATCGTCTAATT	22	1	21UR-8823
1901659_adh	TATGAACTTAGGTACAACCAA	21	2	21UR-8909
1901660_adh	TATGAACTTAGGTACAACCAA	22	1	21UR-8909
2692982_adh	TTTAATTTGATCATCCGTTTT	21	26	21UR-8948
575968_adh	AGTTTAATTTGATCATCCGTTTT	23	1	21UR-8948
1929471_adh	TATTTCAAGCTCTTGTTTTTC	21	6	21UR-9038
621924_adh	ATATTTCAAGCTCTTGTTTTTC	22	1	21UR-9038
1909721_adh	TATGAGTAGGTGCTGAAGACG	21	360	21UR-9046
1909722_adh	TATGAGTAGGTGCTGAAGACGT	22	2	21UR-9046
1798950_adh	TAATCTGTTCCGTAGAAGAAA	21	109	21UR-9061
1798951_adh	TAATCTGTTCCGTAGAAGAAA	24	1	21UR-9061

383134_adh	AGAAGTCGAAACATACTAGAA	21	96	21UR-9071
383135_adh	AGAAGTCGAAACATACTAGAAT	22	1	21UR-9071
2561511_adh	TTAGAAGGCCCGGTGGAACCTG	21	2	21UR-9126
1802524_adh	TAATTAGAAGGCCCGGTGGAACCTGC	25	1	21UR-9126
1811383_adh	TACTACTGGAGTTTTTAGATTT	21	19	21UR-9190
1811384_adh	TACTACTGGAGTTTTTAGATTTA	22	1	21UR-9190
2572527_adh	TTAGTTGAAGTTATGGCTAGT	21	502	21UR-9276
2572530_adh	TTAGTTGAAGTTATGGCTAGTT	22	1	21UR-9276
2572533_adh	TTAGTTGAAGTTATGGCTAGTTT	23	1	21UR-9276
2528767_adh	TGTTGAGCAGGTTGGTGT	21	1	21UR-9284
77732_adh	AAATGTTGAGCAGGTTGGTGT	24	1	21UR-9284
2351418_adh	TGGAATGGACGAAACCCACAA	21	11	21UR-9292
232176_adh	AATGGAATGGACGAAACCCACAA	23	1	21UR-9292
1912915_adh	TATGCGACAGTACGTATGAAA	21	57	21UR-9501
2579154_adh	TTATGCGACAGTACGTATGAAAA	23	1	21UR-9501
1912917_adh	TATGCGACAGTACGTATGAAAATTG	25	1	21UR-9501
1858358_adh	TAGCTGAACGAAGGAGATATC	21	49	21UR-9510
1858359_adh	TAGCTGAACGAAGGAGATATCAATG	25	1	21UR-9510
2617278_adh	TTCTCTGAAGGCATATTTTTG	21	3050	21UR-9596
2617281_adh	TTCTCTGAAGGCATATTTTTGT	22	19	21UR-9596
2617284_adh	TTCTCTGAAGGCATATTTTTGTGT	24	1	21UR-9596
1936301_adh	TCAACCAGTAGACATTTATTA	21	983	21UR-9673
1936302_adh	TCAACCAGTAGACATTTATTA	23	1	21UR-9673
1765778_adh	TAACATATGCAAATAAGTACG	21	23	21UR-9720
1765779_adh	TAACATATGCAAATAAGTACGAATG	25	1	21UR-9720
2660719_adh	TTGGATAAGTTGTATCTTCGG	21	16	21UR-9779
2660720_adh	TTGGATAAGTTGTATCTTCGGG	22	1	21UR-9779
2660721_adh	TTGGATAAGTTGTATCTTCGGGT	23	1	21UR-9779
849465_adh	CATTGGATAAGTTGTATCTTCGGG	24	1	21UR-9779
2311836_adh	TGCTTTGACTTAAGAAGAATT	21	2	21UR-9851
678413_adh	ATGCTTTGACTTAAGAAGAATT	22	1	21UR-9851
1866982_adh	TAGGCACTTCAGAGCAAATAG	21	6	21UR-9936
1866983_adh	TAGGCACTTCAGAGCAAATAGAG	23	1	21UR-9936
1826246_adh	TACGGCCAAATCAGATTTCTG	21	14	21UR-9939
1826247_adh	TACGGCCAAATCAGATTTCTGACTGA	26	1	21UR-9939
1884983_adh	TATAAGAAGAAAAACAAAGTTTTA	24	2	21UR-10159
2140638_adh	TGAATCAGAACAATGGTACCCT	22	18	21UR-10193
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2140652_adh	TGAATCAGAACAATGGTACCCTTTT	25	1	21UR-10193
2140653_adh	TGAATCAGAACAATGGTACCCTTTTT	26	1	21UR-10193
2527431_adh	TGTTGAAACGGTATGAAATTG	21	57	21UR-10324
2527432_adh	TGTTGAAACGGTATGAAATTGT	22	1	21UR-10324
2487392_adh	TGTAGAAAAGTGGTTGCTTGT	21	1	21UR-10334
1879293_adh	TAGTGTAGAAAAGTGGTTGCTTGT	24	10	21UR-10334
2142629_adh	TGAATCGTTGAACCAATTTTA	21	3	21UR-10357
224852_adh	AATGAATCGTTGAACCAATTTTA	23	1	21UR-10357
1788018_adh	TAAGTCGTTGATGATCGTTTT	21	135	21UR-10477
200783_adh	AATAAGTCGTTGATGATCGTTTT	23	2	21UR-10477
902821_adh	CCTTCAAGAACAATGCAAAAAG	21	11	21UR-10497
902822_adh	CCTTCAAGAACAATGCAAAAAGC	22	1	21UR-10497

2734699_adh	TTTTAGCGGTAGATTCGTTTT	21	177	21UR-10518
746303_adh	ATTTTAGCGGTAGATTCGTTTT	22	1	21UR-10518
2611947_adh	TTCGTCGAAAACCTTTGGCATC	21	11	21UR-10590
247673_adh	AATTCGTCGAAAACCTTTGGCATC	23	1	21UR-10590
2533467_adh	TGTTTGTGGAAGCGTGAGCAT	21	53	21UR-10640
2533468_adh	TGTTTGTGGAAGCGTGAGCATT	22	1	21UR-10640
1928687_adh	TATTGTTTGTGGAAGCGTGAGCATT	25	1	21UR-10640
1928688_adh	TATTGTTTGTGGAAGCGTGAGCATTT	26	1	21UR-10640
1754038_adh	TAAACAAGGGACTGTTAGGGA	21	21	21UR-10819
2539284_adh	TTAAACAAGGGACTGTTAGGGA	22	21	21UR-10819
2539285_adh	TTAAACAAGGGACTGTTAGGGAC	23	1	21UR-10819
2539286_adh	TTAAACAAGGGACTGTTAGGGACAC	25	1	21UR-10819
1185383_adh	GAAGTGGAAGAGTAATGAAGA	21	1	21UR-10827
1185384_adh	GAAGTGGAAGAGTAATGAAGATGT	24	1	21UR-10827
1686904_adh	GTTAATTTTCATTTTCGGATTTGCGTC	26	9	21UR-10895
2530884_adh	TGTTGTGACGAATAACGGCAA	21	13	21UR-11056
701373_adh	ATGTTGTGACGAATAACGGCAA	22	1	21UR-11056
1927828_adh	TATTGTATTGTAAGGTTTGA	21	102	21UR-11180
1927829_adh	TATTGTATTGTAAGGTTTGAA	22	6	21UR-11180
1922991_adh	TATTATTCAAGTAGATAATTT	21	51	21UR-11188
1922992_adh	TATTATTCAAGTAGATAATTTCA	23	1	21UR-11188
1796050_adh	TAATATCTTGTGGGCATATAA	21	40	21UR-11764
1796051_adh	TAATATCTTGTGGGCATATAAA	22	1	21UR-11764
1750614_adh	TAAAATACTTGAGAAAAATTT	21	11	21UR-11782
1750615_adh	TAAAATACTTGAGAAAAATTTGAT	24	1	21UR-11782
148853_adh	AAGCACGGCCTCTGTGAAATT	21	1	21UR-11809
1781565_adh	TAAGCACGGCCTCTGTGAAATT	22	1	21UR-11809
2687649_adh	TTGTTTGTGGAAGCGTGAGCA	21	1	21UR-11964
1928686_adh	TATTGTTTGTGGAAGCGTGAGCA	23	1	21UR-11964
1927177_adh	TATTGGGAAGAAGACAAAATCGTCTA	26	1	21UR-12226
1930846_adh	TATTTTCACCTTAACTTTAGA	21	2	21UR-12381
1930847_adh	TATTTTCACCTTAACTTTAGAC	22	1	21UR-12381
1927499_adh	TATTGTAATTTTTGTATCATC	21	4	21UR-12395
1927500_adh	TATTGTAATTTTTGTATCATCA	22	1	21UR-12395
1835704_adh	TACTTGATAGATACAGTAGTGT	21	6	21UR-12475
205281_adh	AATACTTGTAGATACAGTAGTGT	23	1	21UR-12475
1801978_adh	TAATGTTGTAATAGCTACTCG	21	3	21UR-12502
1801979_adh	TAATGTTGTAATAGCTACTCGGAA	24	1	21UR-12502
1796957_adh	TAATATGTTTTCAAGAAAATC	21	1	21UR-12516
201123_adh	AATAATATGTTTTCAAGAAAATC	23	1	21UR-12516
705328_adh	ATTACGACTCAACGACTAACT	21	2	21UR-12582
1920818_adh	TATTACGACTCAACGACTAACT	22	1	21UR-12582
2748637_adh	TTTTTTCATTGGATTGTGCGTA	21	453	21UR-12608
257765_adh	AATTTTTTCATTGGATTGTGCGTA	23	1	21UR-12608
2687327_adh	TTGTTTCTTTAAATGACATAC	21	2	21UR-12812
2687328_adh	TTGTTTCTTTAAATGACATACA	22	1	21UR-12812
251797_adh	AATTGCGAACACAGCTTTTTAGT	23	1	21UR-12870
2626918_adh	TTGAACTGTGGCGTGACTTATCGA	24	1	21UR-13283
1810844_adh	TACACCAAATCTGAATTTTT	21	117	21UR-13591
1810845_adh	TACACCAAATCTGAATTTTTAA	23	1	21UR-13591

203066_adh	AATACACCAAAATCTGAATTTTT	23	1	21UR-13591
1758133_adh	TAAAGGGGAAGGCCTTGTTTG	21	5	21UR-13660
199122_adh	AATAAAGGGGAAGGCCTTGTTTG	23	1	21UR-13660
670824_adh	ATGATTGCACCAGATGTAATGA	22	2	21UR-13716
228837_adh	AATGATTGCACCAGATGTAATGA	23	2	21UR-13716
2588763_adh	TTCAATTAATAAGCAAATTCG	21	3	21UR-14433
246040_adh	AATTC AATTAATAAGCAAATTCG	23	1	21UR-14433
2016373_adh	TCGGGAAGAAATTATCGGCCA	21	1	21UR-15009
718356_adh	ATTCGGGAAGAAATTATCGGCCAA	24	1	21UR-15009
1923877_adh	TATTCCAATGGGTCGTTGTGAA	22	1	21UR-15200
1835688_adh	TACTTG TAGAACGACAGGAAA	21	99	21UR-15353
1835689_adh	TACTTG TAGAACGACAGGAAAA	22	2	21UR-15353
1822112_adh	TACGACAGGAGATGAATACAA	21	17	21UR-15378
1822113_adh	TACGACAGGAGATGAATACAAA	22	1	21UR-15378
1809268_adh	TACAATAATAGAAGAACATGG	21	58	21UR-15401
1809269_adh	TACAATAATAGAAGAACATGGC	22	1	21UR-15401
1443334_adh	GGAATTA AAAATTTGATCATGG	21	1	21UR-15578
1443335_adh	GGAATTA AAAATTTGATCATGGT	22	1	21UR-15578
515525_adh	AGGGAATTA AAAATTTGATCATGGT	24	1	21UR-15578
515526_adh	AGGGAATTA AAAATTTGATCATGGTT	25	1	21UR-15578
515528_adh	AGGGAATTA AAAATTTGATCATGGTTT	26	1	21UR-15578
1264191_adh	GAGGGATGGTAAACGAACGAA	21	15	21UR-15588
1264196_adh	GAGGGATGGTAAACGAACGAAG	22	54	21UR-15588
1264197_adh	GAGGGATGGTAAACGAACGAAGG	23	28	21UR-15588
1375496_adh	GCGAGGGATGGTAAACGAACGAA	23	1	21UR-15588
1264199_adh	GAGGGATGGTAAACGAACGAAGG	24	2	21UR-15588
1375498_adh	GCGAGGGATGGTAAACGAACGAAG	24	2	21UR-15588
1487746_adh	GGCGAGGGATGGTAAACGAACGAA	24	1	21UR-15588
1375499_adh	GCGAGGGATGGTAAACGAACGAAGG	25	1	21UR-15588
1375500_adh	GCGAGGGATGGTAAACGAACGAAGGG	26	1	21UR-15588
1487747_adh	GGCGAGGGATGGTAAACGAACGAAGG	26	2	21UR-15588
1753985_adh	TAAACAAGGCATGTGTAGGAAAGGC	25	2	21UR-15650
1753986_adh	TAAACAAGGCATGTGTAGGAAAGGCA	26	1	21UR-15650
713431_adh	ATTCCAGACACACAGAAGGAAG	22	1	21UR-15660
246413_adh	AATCCAGACACACAGAAGGAAG	23	2	21UR-15660
657440_adh	ATCTGTTGTCGATGGGTCAATA	22	1	21UR-15664
1170544_adh	GAAGAGGAGAGGTAAATCTACGGA	24	1	21UR-15673
1980122_adh	TCCATTTTTTATTACAATTTA	21	2	1980122_adh
214943_adh	AATCCATTTTTTATTACAATTTA	23	1	1980122_adh
2127140_adh	TGAAGAAGACGGACAAAGCCA	21	20	2127140_adh
2127141_adh	TGAAGAAGACGGACAAAGCCAGC	23	1	2127140_adh
2375908_adh	TGGACGAAATTGCAATATGTT	21	1	2375908_adh
2658343_adh	TTGGACGAAATTGCAATATGTT	22	4	2375908_adh
2658344_adh	TTGGACGAAATTGCAATATGTTT	23	1	2375908_adh
2658345_adh	TTGGACGAAATTGCAATATGTTCA	24	1	2375908_adh
2486875_adh	TGTACGGGCTTCTGTTTGGCA	21	1	2486875_adh
1917491_adh	TATGTACGGGCTTCTGTTTGGCA	23	1	2486875_adh
2561495_adh	TTAGAAGGAACGGCGGACATA	21	1	2561495_adh
1921289_adh	TATTAGAAGGAACGGCGGACATAA	24	1	2561495_adh
2563894_adh	TTAGATCAGTGCTGTGCGGCT	21	1	2563894_adh

2695648_adh	TTTAGATCAGTGCTGTGCGGCT	22	105	2563894_adh
2695650_adh	TTTAGATCAGTGCTGTGCGGCTC	23	1	2563894_adh
1422524_adh	GCTTTAGATCAGTGCTGTGCGGCTCT	26	1	2563894_adh
2587849_adh	TTCAATCGTTGCTGAATGGCG	21	2	2587849_adh
2474542_adh	TGGTTCAATCGTTGCTGAATGGCGAA	26	1	2587849_adh
2593298_adh	TTCAGTTGACAATGGTTTTTT	21	526	2593298_adh
712600_adh	ATTCAGTTGACAATGGTTTTTT	22	1	2593298_adh
2648399_adh	TTGCAACTGAAGAATCAAAAT	21	1	2648399_adh
2529328_adh	TGTTGCAACTGAAGAATCAAAAATAT	25	1	2648399_adh
2664429_adh	TTGGATTGTCGCAGTCGGTTA	21	7	2664429_adh
2476676_adh	TGGTTGGATTGTCGCAGTCGGTTA	24	1	2664429_adh
2674955_adh	TTGTAGATATAGAAGACTTAT	21	1	2674955_adh
2456776_adh	TGGGGTTGTAGATATAGAAGACTTAT	26	4	2674955_adh
2682341_adh	TTGTGTGCCGTCGTTGGTTTT	21	1	2682341_adh
2584333_adh	TTATTTGTGTGCCGTCGTTGGTTTT	26	1	2682341_adh