

Supplementary Tables

Supplementary Table 1. Significance test for the differences in miRNA expression between SO1 and SO2.

miRNA name	SO1 expression	SO2 expression	Fold-change (log 2)	FDR	Sig. label
U436803	6822.3328	86.8613	-6.295407778	0	**
U2899953	23607.4373	0	-37.78045048	0	**
U1874742	84.7495	0	-29.65862962	0.205580337	
U3938865	292.3857	0	-31.44522561	0.048798881	**
U3767208	593.2463	0	-32.46598405	0.004175036	**
U4351355	423.7474	203.9353	-1.055092997	0.093419462	
U3692923	371.2834	74.4526	-2.318126678	0.068567883	
U3528275	0	65.146	29.27910136	0.249159965	
U3400834	3979.6941	4495.0742	0.175687388	0.043483175	
U805963	1407.783	86.8613	-4.018567615	0.000345228	**
U4196784	185.6417	0	-30.78987367	0.104489975	
U490396	84.7495	0	-29.65862962	0.205580337	
U2743257	0	173.7227	30.69413913	0.148183292	
U2869165	81.2182	0	-29.59722781	0.205580337	
U1645883	1380.7102	0	-33.68469149	0	**
U892530	5739.4228	608.0294	-3.238692667	0	**
U977315	88.6017	213.2051	1.266835664	0.147530486	
U4992168	464.1043	818.9783	0.819376162	0.071802059	
U5207555	1016.9937	135.9569	-2.903089465	0.002232094	**

** . FDR < 0.01, fold change (log2) >1 or fold change (log2) < -1

* . 0.01 ≤ FDR < 0.05, fold change (log2) >1 or fold change (log2) < -1

Supplementary Table 2. Significance test for the differences in miRNA expression between SO2 and SO3.

miRNA name	SO2 expression	SO3 expression	Fold-change (log2)	FDR	Sig. label
U436803	86.8613	743.4526	3.097455314	0.018664382	**
U2899953	0	2761.3953	34.68467838	0	**
U1874742	0	914.3081	33.09003325	0.000303425	**
U3938865	0	191.1735	30.83223541	0.13049718	
U3767208	0	498.7135	32.21556411	0.010805423	**
U4351355	203.9353	831.1892	2.02706539	0.018510519	**
U3692923	74.4526	546.2101	2.875061855	0.03254126	**
U3528275	65.146	0	-29.27910136	0.305498699	
U3400834	4495.0742	955.8676	-2.233462225	0	**
U805963	86.8613	0	-29.6941383	0.305498699	
U4196784	0	1365.5251	33.66873678	1.33E-05	**
U490396	2410.4021	3743.8147	0.635235196	0.014080417	**
U2743257	173.7227	0	-30.69413913	0.18118312	
U2869165	4429.9282	9479.0203	1.097454642	0	**
U1645883	0	159.3113	30.56920146	0.13049718	
U892530	608.0294	0	-32.50149394	0.017674561	**
U977315	213.2051	0	-30.9895948	0.114415744	
U4992168	0	16659.4066	37.27754606	0	**
U5207555	0	106.2075	29.9842385	0.257534573	

** . FDR < 0.01, fold change (log2) >1 or fold change (log2) < -1

* . 0.01<=FDR<0.05, fold change (log2) >1 or fold change (log2) < -1

Supplementary Table 3. Primers for miRNAs used in quantitative real-time polymerase chain reactions.

miRNA name	Primer sequence (5'to3')	Base No.
U436803	CGGCTCGGCAATACATGG	18
U2899953	CCGCCTCCGCCATACATAG	19
U1874742	TGCCGCCACCAAATTTTATC	20
U3938865	GTCCTGCTAAATGCATTTAGCACC	24
U3767208	CGTAAATGCATTTAGCACCATCTGG	25
U4351355	TCAAATGCATTTAGCACCTTCTGAAT	26
U3692923	CGTGCGCGCAGAGGATC	17
U3528275	CGCCGCCGTTTATAATTATTAGACAT	26
U3400834	GCGGCTTTCATAATCATTAGACCT	24
U805963	GCCGTTAGCACCATATGTGAAC	22
U4196784	CGTGTCTCTCAGAGGACGAAAGC	23
U490396	TTTTAGTGACGGTTTTTCATCGC	23
U2743257	TGGCATGATCGATCATGGGTC	21
U2869165	CGAGTCTCAAACGGGGGGT	19
U1645883	CGGCGGTATATTTCAATTTTGTAGTT	26
U892530	GGCGGGTTTAACTCAGCAAAC	21
U977315	GCGTTAAGAGTCCAGTTTCCTTTTG	25
U4992168	CGATGTGCATGTTACCTTGGTCC	23
U5207555	CGGCGTTTTTATCGGGTGTATTA	23
U3868172	GCATTTAGCACCCCCTGGAC	20
U534122	TATGGACTGCGATATGAACTTTGC	24

Supplementary Table 4. Primers for target genes used in quantitative real-time polymerase chain reactions.

Target gene	Forward primer sequence (5'to3')	Reverse primer sequence (5'to3')
FLJ621761	GCACAGTTGCCCTAAATCTT	CGGTGACAGCCTCAAATCC
FLJ622887	GGAAGGCGATTGAAGTGCT	CTGTAATCCCATCCATCTCCC
FLJ527490	AGCAAGGAAACTCCCCGATG	GTCCAAATGAAGATGCCAACA
FLJ626161	TGCTTCACCAAGAACGATGTC	AACTGATGCGGGCGGAGG
FLJ617272	GCCCATTGAAGGCTGTATCG	TAGGGTTCCGTTTACTGCTCTG
FLJ621815	GTGCCCTCTACGCCCTTGG	GTCGCCGTTTGGGGTTACT
FLJ621816	GTGCCCTCTACGCCCTTGG	GCCCCGTTTGGGGTTACTTTTA
FLJ602301	CTCCACCCATTGAACCCCA	ACGGCGACAACCACCTATTC
FLJ616544	GCTGTCCGTGCTCATCTCC	CTGAATGCCATCTGTGCTGTT
FLJ575285	GGAGTATTGCCTTGAAGCCAAT	GGTGCTCCCAAGAATGAACAAC
FLJ614363	CTCTGCGGTTTGACTTTTTTTCTA	TTCCGATGGGGTTTCTGTTA
FLJ613223	AATGGTGATGGTAGATGCTCGTAG	GAAGTCTGAAACTGAATGGCTGTG
FLJ617315	AATCGTTTGTGCGTGGTTATCTTGTA	GTTCTGGGTTCTTCTTTGTCTGG
FLJ621731	GTGGTTCGGGTCTGGGTCA	TCCCTACTGATTCTGGTCTTTGGT
FLJ625614	TTGTCCACTGCGTGTGTTAC	AAAATCCCCACTTGTCAAATGTC
FLJ626117	TTCGCAAGGATATGATATTGGC	GTGTGATTATTCGCATGGACAGTA
FLJ626356	GTTGGACAAGTAATTCAGCCCTT	GTCTTGACAGTCTTGGGTGCGC
FLJ623552	GCAGCACCCAAACGAACAC	CCCTGGAGGCACCGACTT
FLJ419428	TGGTTACGAAGTAGTCCCTCAAGC	GCATCCCTGGGCGGTTT
FLJ613583	ACCACTTGTATCACGGTCCCA	CACTTCCACTTTGAGCTTCTCG
FLJ615228	ACGGAAGGTTTCATTCGCAGAC	GCCAGGCTCGGACAGGAC
FLJ612000	CAAATAAATCCTTACGGCTTCCC	CCCCATTTGGATTACAACGAAC
LJ18S	CGTTGACTACGTCCCTGCCCTT	GTTACCTACGAAACCTTGTTACGAC

Supplementary Table 5. Different members of the conserved miRNA families identified in *Lonicera japonica* buds and their abundance.

Family	Tag ID	Mature miRNA ID	Mature length	Total read count	Mature read count	Mature read count: SO1	Mature read count: SO2	Mature read count: SO3	SO1/SO2	SO2/SO3
miR398	scaffold68065_498379	ahy-miR398	20	29	21	10	5	6	2.00	0.83
miR156				7479	7056	3007	2696	1353	1.12	1.99
	scaffold260573_1862797	ata-miR156c-5p	20	668	653	277	248	128	1.12	1.94
	scaffold260573_1862791	ata-miR156c-5p	20	668	653	277	248	128	1.12	1.94
	scaffold427616_3136718	ata-miR156d-5p	20	657	653	277	248	128	1.12	1.94
	C14797142_4141376	mdm-miR156y	20	426	426	210	142	74	1.48	1.92
	scaffold427616_3136720	osa-miR156c-5p	20	662	653	277	248	128	1.12	1.94
	scaffold274818_1965599	tcc-miR156c	20	672	653	277	248	128	1.12	1.94
	scaffold331043_2365354	vun-miR156a	20	1436	1355	567	533	255	1.06	2.09
	scaffold451491_3426148	zma-miR156f-5p	20	654	653	277	248	128	1.12	1.94
	C17254521_5218054	zma-miR156h-5p	20	1636	1357	568	533	256	1.07	2.08
miR395				236	228	212	10	6	21.20	1.67
	scaffold175966_1257963	ata-miR395b-3p	18	119	114	106	5	3	21.20	1.67
	scaffold101358_734703	ata-miR395b-3p	18	117	114	106	5	3	21.20	1.67
miR157				4223	3444	1944	1016	484	1.91	2.10
	C17157180_5137902	ath-miR157d	20	428	428	210	142	76	1.48	1.87
	C16703292_4843146	ath-miR157d	20	3795	3016	1734	874	408	1.98	2.14
miR160				3003	2980	637	801	1542	0.80	0.52
	scaffold298284_2131838	bdi-miR160f	20	742	727	157	195	375	0.81	0.52
	scaffold44995_333199	gma-miR160c	20	739	739	158	202	379	0.78	0.53
	scaffold131300_946101	gma-miR160c	20	726	726	157	194	375	0.81	0.52
	scaffold66434_486798	gma-miR160c	20	733	726	157	194	375	0.81	0.52

	scaffold211337_1513044	ptc-miR160h	21	32	31	4	8	19	0.50	0.42
	scaffold439290_3260827	ptc-miR160h	21	31	31	4	8	19	0.50	0.42
miR164				1907	1844	883	479	482	1.84	0.99
	scaffold341437_2440289	gma-miR164d	20	1896	1833	881	478	474	1.84	1.01
	scaffold258572_1848876	rco-miR164d	21	11	11	2	1	8	2.00	0.13
miR171				2804	2764	1193	875	696	1.36	1.26
	scaffold64814_474960	gma-miR171u	21	488	488	225	167	96	1.35	1.74
	scaffold388847_2797390	sbi-miR171f	21	48	46	15	21	10	0.71	2.10
	scaffold454824_3485698	tcc-miR171f	21	484	484	225	165	94	1.36	1.76
	C16996265_5019132	zma-miR171a-3p	20	89	74	29	9	36	3.22	0.25
	scaffold271809_1943909	zma-miR171b-3p	20	245	242	87	63	92	1.38	0.68
	scaffold314938_2250311	zma-miR171b-3p	20	715	715	306	225	184	1.36	1.22
	scaffold65369_478753	zma-miR171b-3p	20	735	715	306	225	184	1.36	1.22
miR390	C15771313_4441918	gma-miR390e	20	4193	4192	2294	1140	758	2.01	1.50
miR408	C15802979_4453414	gma-miR408d	20	149	123	22	51	50	0.43	1.02
miR167				4974	3861	1192	1360	1309	0.88	1.04
	C17318141_5273496	lja-miR167a	20	2406	1312	404	464	444	0.87	1.05
	scaffold332904_2378757	lja-miR167b	20	1257	1254	396	436	422	0.91	1.03
	C16674072_4827851	lja-miR167b	20	1311	1295	392	460	443	0.85	1.04
miR166				1511444	1511429	337584	688401	485444	0.49	1.42
	C17193006_5165570	vvi-miR166a	19	755505	755497	168767	344093	242637	0.49	1.42
	scaffold449762_3399267	vvi-miR166a	19	755939	755932	168817	344308	242807	0.49	1.42
miR162	C16967879_5000016	zma-miR162-3p	20	10898	10891	3047	4054	3790	0.75	1.07
miR172	scaffold260832_1865208	zma-miR172c-3p	20	735	734	145	175	414	0.83	0.42

Supplementary Table 6. Potential novel miRNAs identified in *Lonicera japonica* buds and their abundance.

mature miRNA ID	mature length	mature sequence	mismatch	total read count	mature read count	u	c	g	a	SO1	SO2	SO3
scaffold15788_119320	21	ccggcgucgucauugcaccac	0	167641	157879	4	9	5	3	36646	82899	38334
C14572468_4080997	21	ugugaagguaguccaauccac	0	92385	62265	5	5	5	6	29511	18752	14002
scaffold448500_3382204	24	gaucuuagagcggguguagcgcc	0	27322	27285	5	5	9	5	15131	6469	5685
scaffold249015_1781633	24	gaucuuagagcggguguagcgcc	0	27293	27285	5	5	9	5	15131	6469	5685
C15995813_4525693	24	acgacugucgucagcucuuugcc	0	17746	17689	6	8	7	3	5937	3551	8201
C15779847_4444958	22	uuuccaacggaaugaaccggu	0	14339	13828	5	6	5	6	4891	4505	4432
scaffold450591_3411827	21	cucccagaccaccuauuccgc	0	11880	11612	4	11	2	4	1921	3104	6587
scaffold446926_3358093	21	gaugugggagucucuaaccuu	0	8310	6486	7	4	6	4	1135	1728	3623
scaffold22189_165384	20	uuugauacgcaccugaaucg	0	8241	8237	6	5	4	5	3007	2765	2465
scaffold116612_843168	24	auuccaggaauccugaaaaacucc	0	6599	6596	5	7	3	9	2461	2529	1606
scaffold265913_1901252	24	auguacaacucauuuaugcaccg	0	6013	6012	6	7	3	8	2302	1090	2620
scaffold43179_319667	24	gaauguacaacucauuuaugcacc	0	6012	6012	6	6	3	9	2302	1090	2620
C16489664_4735437	24	auuuucaugugacaaaaggcauc	0	5952	5122	7	5	4	8	2608	2232	282
scaffold279044_1994946	22	cauaguuggagggaugguaccc	0	5904	5838	5	4	8	5	3701	1765	372
scaffold352259_2521123	21	aaucuucaaccacacucuugu	0	5832	5266	7	7	1	6	969	1912	2385
C16134279_4579801	21	uggccaaagcccuggauugu	0	5814	5441	5	5	7	4	2470	1170	1801
scaffold156510_1123797	24	aaucaccgaagacagcgucucgc	0	5686	5685	4	8	5	7	1462	2111	2112
scaffold445834_3342781	24	gaauguacaacucauuuaugcacc	0	5451	5423	6	6	3	9	1993	937	2493
scaffold70512_515044	24	gaauguacaacucauuuaugcacc	0	5440	5433	6	6	3	9	1992	943	2498
scaffold448004_3373070	24	gaauguacaacucauuuaugcacc	0	5434	5433	6	6	3	9	1992	943	2498
scaffold216047_1544663	20	uugcauacgcaccugaaucg	0	5418	5139	5	6	4	5	2240	1763	1136

C17294129_5252514	24	gaauguacaacucauuuaugcacc	0	5418	5418	6	6	3	9	1989	937	2492
scaffold235013_1681297	24	gaauguacaacucauuuaugcacc	0	5411	5411	6	6	3	9	1993	935	2483
scaffold210246_1505660	21	aaucuuaaccacacucuugu	0	5048	5037	7	7	1	6	946	1864	2227
scaffold415423_3021538	24	ugagaccggcugcuaagagccuca	0	5017	4996	4	7	7	6	2065	1442	1489
C14694622_4113823	24	ugagaccggcugcuaagagccuuu	0	5007	4994	6	6	7	5	2065	1441	1488
C12844621_3648542	24	cguacggauugguccuuuggcac	0	4487	4486	7	6	8	3	1888	1745	853
C15408413_4321110	24	gacaaccuugggucgacuuggagc	0	3368	3367	5	6	8	5	1082	995	1290
scaffold455342_3498393	24	aguacggauugguccauuuggcac	0	3179	3178	7	5	7	5	1399	1246	533
C14333963_4019278	24	aaaauauggacugcaauaugaacu	0	3002	2133	6	3	4	11	916	356	861
C12894035_3660735	24	gugaacagugacugugaacaguac	0	2911	2101	5	4	7	8	1037	770	294
C14531674_4070525	24	gugaacagugacugugaacaguac	0	2802	2516	5	4	7	8	1280	885	351
C14618470_4093364	24	gugaacagugacugugaacaguac	0	2799	2723	5	4	7	8	1400	926	397
C14281441_4006091	24	gugaacagugacugugaacaguac	0	2778	2746	5	4	7	8	1411	931	404
scaffold452364_3440537	24	gccuugaggucaaggguucgacuc	0	2768	2582	6	6	8	4	912	794	876
C14195235_3984734	24	gugaacagugacugugaacaguac	0	2755	2712	5	4	7	8	1396	920	396
scaffold188816_1348468	24	gugaacagugacugugaacaguac	0	2737	2729	5	4	7	8	1403	927	399
scaffold106349_769705	24	uuugccggcauauccgacucuguc	0	2359	2355	8	8	5	3	889	612	854
scaffold19561_146689	24	aaaauauggacugcaauaugaacu	0	2356	1760	6	3	4	11	788	230	742
scaffold455342_3498394	24	aguacggauugguccauuuggcac	0	2271	2270	7	5	7	5	1051	895	324
scaffold120449_870012	24	gugaacagugacugugaacaguac	0	2206	2019	5	4	7	8	1010	750	259
C12783055_3633717	24	aaaauauggacugcaauaugaacu	0	2134	2131	6	3	4	11	915	356	860
scaffold448933_3387108	24	aaaauauggacugcaauaugaacu	0	2133	2133	6	3	4	11	916	356	861
scaffold2353_20437	24	aaaauauggacugcaauaugaacu	0	2113	2111	6	3	4	11	901	354	856
C13198939_3735665	22	ugccgucaccgugcuuugaac	0	2112	2046	6	8	5	3	887	729	430
scaffold135502_976162	22	ccugucgcgggagaaauggcac	0	2064	2058	3	6	8	5	1129	842	87
scaffold19474_146121	24	aaaauauggacugcaauaugaacu	0	2023	1756	6	3	4	11	785	229	742

scaffold137550_990178	24	gaguaugauauacauuguugccc	0	1986	1979	8	4	6	6	819	713	447
C12624067_3595385	24	gaguaugauauacauuguugccc	0	1986	1979	8	4	6	6	819	713	447
C12830663_3645343	24	gaguaugauauacauuguugccc	0	1986	1979	8	4	6	6	819	713	447
scaffold6761_50817	24	aaaauaggacugcaauaugaacu	0	1966	1964	6	3	4	11	817	333	814
C13713027_3867164	24	gaguaugauauacauuguugccc	0	1941	1921	8	4	6	6	797	691	433
scaffold123982_893722	24	auuccaauugggacuaacuuu	0	1927	1922	9	5	4	6	528	409	985
scaffold380374_2731258	24	auuccaauugggacuaacuuu	0	1926	1922	9	5	4	6	528	409	985
scaffold205722_1472678	24	aaaauaggacugcaauaugaacu	0	1808	1771	6	3	4	11	794	232	745
C13544002_3822838	24	aaaauaggacugcaauaugaacu	0	1772	1764	6	3	4	11	788	231	745
scaffold336132_2401318	24	ggaccgaguaagcuguacaacacu	0	1771	1771	4	6	6	8	653	356	762
scaffold272188_1947262	24	agccuugcucagucgacugaugac	0	1760	1751	6	7	6	5	726	581	444
scaffold328481_2348990	24	agccuugcucagucgacugaugac	0	1751	1751	6	7	6	5	726	582	443
scaffold4980_37863	24	agccuugcucagucgacugaugac	0	1751	1751	6	7	6	5	726	582	443
scaffold230235_1647392	24	aaaauaggacugcaauaugaacu	0	1750	1748	6	3	4	11	779	230	739
C13191509_3733720	24	aaaauaggacugcaauaugaacu	0	1673	1658	6	3	4	11	756	199	703
C17085044_5082430	22	ccuuguaguugguucagcacc	0	1673	1672	7	7	5	3	1031	633	8
scaffold157893_1133245	23	ggauuucacucggguugagagc	0	1611	1223	7	4	7	5	528	357	338
scaffold229865_1644414	24	aaaauaggacugcaauaugaacu	0	1609	1592	6	3	4	11	689	206	697
C13546590_3823340	24	uuuuuuuucugaauugaauacacc	0	1605	1570	8	4	2	10	766	426	378
C14125701_3967519	24	uuuuuuuucugaauugaauacacc	0	1571	1570	8	4	2	10	766	426	378
scaffold448500_3382202	24	gauuuuuggagcggguagcgc	0	1549	1549	6	4	10	4	140	95	1314
scaffold74629_544747	24	auugaccuagugucacuuugccc	0	1523	1520	8	7	5	4	416	570	534
scaffold103766_751305	24	augaacagugacugagaacaguac	0	1495	1464	5	4	6	9	833	433	198
scaffold48619_358792	24	uuuuuuuucugaauugaauacacc	0	1486	1472	8	4	2	10	719	403	350
scaffold19284_144809	24	agaauuugcuuaaggguagacc	0	1483	1483	7	4	7	6	669	298	516
C14564026_4078885	24	uuuuuuuucugaauugaauacacc	0	1470	1469	8	4	2	10	715	404	350

C12918719_3666551	24	augaacagugacuguaacaguac	0	1438	1400	5	4	6	9	809	418	173
scaffold42037_312335	24	uuuagcaccucuggacagcaacc	0	1385	1379	5	9	4	6	439	452	488
scaffold453613_3463247	24	gauuaagggagagacuagaccuc	0	1385	1380	5	4	7	8	548	318	514
C13720253_3869485	24	uuuagcaccuccuggacagcaacc	0	1382	1377	4	10	4	6	384	522	471
C14294049_4009199	24	acuuguagagguuugaucuucacc	0	1364	1364	9	5	5	5	528	367	469
scaffold215334_1539828	24	cccgaguacuaaaaucgugaacc	0	1316	1291	4	8	4	8	558	378	355
scaffold73789_538699	23	aaauauggacugcaauaugaacu	0	1315	966	6	3	4	10	363	227	376
scaffold194854_1392170	24	uuuaaaucugaaauugaauacacc	0	1307	1199	8	4	2	10	593	321	285
C14897710_4169822	24	cccgaguacuaaaaucgugaacc	0	1295	1279	4	8	4	8	554	373	352
C14001747_3938024	22	uaccuuggucuuuggauguacuc	0	1259	746	9	5	5	3	250	304	192
scaffold237043_1695491	23	aaauauggacugcaauaugaacu	0	1252	1252	6	3	4	10	510	261	481
C16736462_4862097	23	aaauauggacugcaauaugaacu	0	1252	1252	6	3	4	10	510	261	481
scaffold352259_2521135	19	ugguugaagauuaguugac	0	1251	1180	7	1	6	5	302	530	348
C12648617_3601248	23	ggauuucaucucggguugagagc	0	1227	1223	7	4	7	5	528	357	338
scaffold25790_194769	24	acuuguagagguuugaucuucacc	0	1217	1216	9	5	5	5	456	334	426
scaffold91336_663894	24	auuucgguccaugauuugcacc	0	1208	1205	8	8	4	4	351	391	463
scaffold231608_1657252	24	aagcgugucugaccgaaauugac	0	1201	1197	5	6	6	7	506	309	382
scaffold271707_1943142	24	uuuaaaucugaaauugaauacacc	0	1199	1198	8	4	2	10	594	321	283
scaffold285140_2039542	23	aaauauggacugcaauaugaacu	0	1184	1176	6	3	4	10	468	245	463
scaffold413762_3006951	21	uaugaagguagucuaauccac	0	1171	1036	6	4	4	7	758	199	79
scaffold421678_3079443	21	uaugaagguagucuaauccac	0	1171	1036	6	4	4	7	758	199	79
scaffold238936_1707818	22	ccaaccggguguguauuugacc	0	1159	1156	6	6	6	4	516	303	337
scaffold357919_2562110	23	ggauuucaucucggguugagagc	0	1153	1052	7	4	7	5	444	306	302
C14285763_4007142	23	ggauuucaucucggguugagagc	0	1134	1131	7	4	7	5	490	328	313
C17431376_5380286	24	auuuuuuugggcuauugagcauu	0	1130	1123	13	2	5	4	504	271	348
scaffold321795_2299242	18	ugacaucuaaaccceaaa	0	1111	963	2	7	1	8	233	242	488

scaffold208287_1491067	24	aaaugcauuuagcaccccuuggac	0	1106	1066	6	7	4	7	498	286	282
scaffold99472_721384	22	ucccggauugaaggauuccuc	0	1105	1102	6	6	5	5	527	368	207
scaffold28420_212381	24	gauggaggugccaagguugaacc	0	1102	1072	4	5	9	6	384	302	386
scaffold355542_2544821	24	aaaugcauuuagcaccccuuggac	0	1093	1090	6	7	4	7	505	294	291
scaffold355542_2544822	24	aaaugcauuuagcaccccuuggac	0	1090	1090	6	7	4	7	505	294	291
scaffold273043_1953741	23	ggauuucauacucgguugagagc	0	1078	1050	7	4	7	5	444	306	300
scaffold210107_1505040	24	aaaugcauuuagcaccccuuggac	0	1070	1067	6	7	4	7	499	286	282
scaffold155503_1116642	24	aaaugcauuuagcaccccuuggac	0	1067	1067	6	7	4	7	499	286	282
C15154212_4243495	24	aaaugcauuuagcaccccuuggac	0	1062	1060	6	7	4	7	496	284	280
C13289391_3758020	23	ggauuucauacucgguugagagc	0	1060	1052	7	4	7	5	444	306	302
scaffold126120_908701	24	ggaccgaguaagcuguucaacacu	0	1055	755	5	6	6	7	172	198	385
scaffold35602_265327	22	aaccgggaaguagguuaacuac	0	1050	1007	4	4	6	8	435	211	361
C13389812_3783187	24	ggacugcaauaugaacuugcacu	0	1037	1037	7	5	5	7	284	376	377
scaffold399885_2887704	24	augaccgaggcuagaguugacuc	0	1031	1027	6	5	7	6	384	252	391
C16212055_4612052	21	cgccaaggagaguugccuu	0	1017	993	4	6	6	5	227	235	531
scaffold363528_2603818	21	cgccaaggagaguugccuu	0	1017	993	4	6	6	5	227	235	531
scaffold293944_2100564	24	uggacugcaauaugaacuugcac	0	1001	969	7	5	5	7	337	334	298
scaffold209003_1496964	24	aaaugcauuuagcaccccuuggac	0	992	979	6	7	4	7	460	259	260
scaffold209003_1496963	24	aaaugcauuuagcaccccuuggac	0	992	980	6	7	4	7	461	259	260
C15614531_4389500	24	aaaugcauuuagcaccccuuggac	0	992	983	6	7	4	7	461	262	260
scaffold170317_1219232	24	uuucaaucauguaguuaaccacu	0	992	987	9	6	2	7	376	283	328
scaffold173094_1238529	24	aaaugcauuuagcaccccuuggac	0	990	978	6	7	4	7	461	259	258
C15094806_4225894	24	aauacgacccgaacuguaaggc	0	990	981	4	6	5	9	372	256	353
C13219585_3740793	24	aaaugcauuuagcaccccuuggac	0	988	984	6	7	4	7	462	262	260
scaffold136379_982167	24	auauaaagcgagucaagccuggac	0	986	897	4	5	6	9	567	140	190
C13208925_3738081	24	aaaugcauuuagcaccccuuggac	0	984	984	6	7	4	7	462	262	260

C14626806_4095566	24	aaaugcauuuagcaccuuuggac	0	984	984	6	7	4	7	462	262	260
scaffold73789_538700	23	aaauauggacugcaauaugaacu	0	983	966	6	3	4	10	363	227	376
scaffold1286_10357	23	aaauauggacugcaauaugaacu	0	979	969	6	3	4	10	365	227	377
scaffold136508_983094	24	uggacugcaauaugaacuuggac	0	974	944	7	5	5	7	327	335	282
C13064726_3702576	24	uuucaaucauguaguuaaccacu	0	968	954	9	6	2	7	342	265	347
scaffold37191_276962	24	aaaugcauuuagcaccuuuggac	0	967	967	6	7	4	7	458	255	254
scaffold34513_257407	24	caaccgaugaaggucggagagc	0	962	387	2	7	7	8	195	97	95
scaffold135523_976591	24	uuucaaucauguaguuaaccacu	0	956	954	9	6	2	7	342	265	347
C12980661_3682005	24	uucacauugcaguaaaauuggac	0	954	854	7	4	4	9	421	187	246
scaffold3982_30400	24	uggacugcaauaugaacuuggac	0	947	944	7	5	5	7	327	335	282
scaffold136508_983093	24	uggacugcaauaugaacuuggac	0	944	944	7	5	5	7	327	335	282
scaffold253252_1810678	24	uucacauugcaguaaaauuggac	0	942	865	7	4	4	9	424	190	251
scaffold432480_3187171	24	auauaaagcgagucaagccuggac	0	929	920	4	5	6	9	571	148	201
C13000190_3686697	24	uucacauugcaguaaaauuggac	0	923	888	7	4	4	9	430	200	258
C13172916_3728930	23	ggauuucacucggguugagagc	0	916	913	7	4	7	5	359	267	287
scaffold90876_660523	24	agcuuugcucagucgacugaaggc	0	914	632	7	6	7	4	275	184	173
scaffold25532_191405	24	uggaccugaguuccuauuaacaau	0	905	901	8	5	4	7	324	120	457
scaffold265874_1900882	22	uuuuugcuccaauucugaaacc	0	905	901	9	6	2	5	322	389	190
C16424384_4705494	24	acaccggauaggauuaauuaaucc	0	902	896	6	5	4	9	355	187	354
scaffold426596_3126157	24	acaccggauaggauuaauuaaucc	0	899	896	6	5	4	9	355	187	354
scaffold136379_982169	24	auauaaagcgagucaagccuggac	0	898	887	4	5	6	9	561	139	187
scaffold46415_342705	24	uucacauugcaguaaaauuggac	0	897	889	7	4	4	9	431	200	258
scaffold10994_82118	24	acaccggauaggauuaauuaaucc	0	897	896	6	5	4	9	355	187	354
C17042903_5052215	24	uucacauugcaguaaaauuggac	0	896	889	7	4	4	9	431	200	258
C14855264_4158056	23	aaauauggacugcaauaugaacu	0	894	879	6	3	4	10	382	135	362
C12963007_3677722	23	aaauauggacugcaauaugaacu	0	887	883	6	3	4	10	382	136	365

C14855264_4158055	23	aaauauggacugcaauaugaacu	0	881	879	6	3	4	10	382	135	362
scaffold402162_2906116	23	aaauauggacugcaauaugaacu	0	880	880	6	3	4	10	382	134	364
scaffold334573_2390482	22	uuccauuuuguuguuggcuauu	0	875	522	13	3	4	2	217	304	1
C13107645_3713128	24	ggauuucauacucggugagagc	0	873	871	7	4	7	6	374	251	246
C16118461_4573928	24	auuucacugcaauaugaacuugc	0	854	716	9	5	3	7	344	140	232
C17338363_5291785	24	aagcaauagcucaggacuccacc	0	849	828	3	8	4	9	497	330	1
scaffold45100_333788	24	aaaugcauuagcaccuccuggac	0	818	744	5	8	4	7	207	276	261
C15661307_4404230	24	aacgugucugaccgaaauugacc	0	816	786	5	7	5	7	418	211	157
C16356227_4674302	24	uuacggagcgagaccuuuaacc	0	816	793	5	7	5	7	324	258	211
C12994182_3685217	24	uggacugcaauaugaacuugcac	0	803	803	7	5	5	7	272	290	241
scaffold342088_2446136	24	aaaugcauuagcaccacuuggac	0	799	779	6	6	4	8	331	219	229
scaffold207599_1486249	24	uggacugcaauaugaacuugcac	0	795	773	7	5	5	7	265	276	232
C14498198_4061557	23	ggauuucauacucggugagagc	0	793	788	7	4	7	5	305	234	249
C15925269_4499972	24	aaaugcauuagcaccacuuggac	0	791	751	6	6	4	8	319	206	226
scaffold27493_205797	21	uuucggacuaggcucauucc	0	786	786	8	6	4	3	431	274	81
scaffold88666_644530	22	ugugagaaccuucugaccauc	0	783	781	6	6	4	6	346	313	122
C13363010_3776460	24	aguuuagaguagagucuugcucc	0	782	779	9	5	6	4	323	247	209
scaffold191352_1366698	24	aaugaacuuggcaucuaguggac	0	778	775	6	4	6	8	423	132	220
scaffold50731_374206	24	aaaugcauuagcaccuccuggac	0	775	773	5	8	4	7	212	295	266
scaffold281495_2012760	24	uauugaccuagugucacuuggcc	0	773	739	9	6	5	4	180	306	253
scaffold176006_1258545	24	aaaugcauuagcaccuccuggac	0	773	773	5	8	4	7	212	295	266
C15065596_4217520	24	cccggauugguuuaaaucuugaac	0	769	764	7	5	5	7	377	170	217
C15890153_4485571	24	aaaugcauuagcaccuccuggac	0	766	744	5	8	4	7	207	276	261
scaffold392875_2831100	24	aaaugcauuagcaccuccuggac	0	763	742	5	8	4	7	207	276	259
scaffold1029_7716	24	aaggaccgaugaaaugggagu	0	758	637	3	2	9	10	370	122	145
scaffold358379_2565540	24	aaaugcauuagcaccacuuggac	0	752	751	6	6	4	8	320	206	225

scaffold358379_2565539	24	aaaugcauuuagcaccacuuggac	0	752	751	6	6	4	8	320	206	225
scaffold336322_2404462	24	aaaugcauuuagcaccuccuggac	0	751	743	5	8	4	7	206	276	261
scaffold189788_1355050	24	aaaugcauuuagcaccacuuggac	0	751	751	6	6	4	8	317	211	223
scaffold219007_1565121	24	auuuucauugguuguuagacc	0	744	742	11	4	5	4	360	145	237
scaffold82323_598525	24	aaaugcauuuagcaccuccuggac	0	744	744	5	8	4	7	207	276	261
scaffold86538_629915	24	aaaugcauuuagcaccuccuggac	0	744	744	5	8	4	7	207	276	261
scaffold63224_464101	24	aaaugcauuuagcaccuccuggac	0	744	744	5	8	4	7	207	276	261
scaffold246171_1760353	24	uuucaaucauguaguuaaccacu	0	743	727	9	6	2	7	276	195	256
scaffold147993_1062673	24	aaaugcauuuagcaccuccuggac	0	743	742	5	8	4	7	207	276	259
C13466976_3803005	24	auuucacugcaauaugaacuungc	0	740	736	9	5	3	7	353	146	237
C13369014_3778492	24	aaaugcauuuagcaccuccuggac	0	736	721	5	8	4	7	206	267	248
scaffold324813_2320593	24	uuacggagcgagaccuuuaaccc	0	735	735	5	7	5	7	308	244	183
scaffold329268_2352802	24	auuucacugcaauaugaacuungc	0	729	707	9	5	3	7	342	140	225
scaffold192244_1374178	24	aaaugcauuuagcaccuccuggac	0	722	721	5	8	4	7	206	267	248
scaffold95927_697335	23	ggauuucauacucgguugagagc	0	720	714	7	4	7	5	256	217	241
C13971771_3930745	24	gaauguguuuaaguaacucgccu	0	719	578	8	4	6	6	110	157	311
scaffold95647_696094	24	auuucacugcaauaugaacuungc	0	712	702	9	5	3	7	339	139	224
scaffold425529_3119556	24	auuucacugcaauaugaacuungc	0	711	702	9	5	3	7	339	139	224
scaffold202331_1446962	24	auuucacugcaauaugaacuungc	0	707	706	9	5	3	7	341	139	226
scaffold104495_756278	24	ggaauuucacucgguugagagc	0	703	699	7	4	7	6	290	201	208
scaffold83857_609815	24	aaggaccgaauaaaaguggagau	0	696	667	3	2	9	10	385	127	155
scaffold171335_1226004	23	aaauauguacugcaauaugaacu	0	683	679	7	3	3	10	283	118	278
scaffold112589_814919	24	agcuuugcucagucgacugauggc	0	681	678	7	6	7	4	280	191	207
scaffold302989_2164674	24	aaauaugcauuuuuuuuggacugc	0	679	672	7	3	4	10	388	98	186
scaffold120975_873178	24	agcuuugcucagucgacugauggc	0	676	632	7	6	7	4	275	184	173
scaffold280331_2004462	24	auuuuucacaucauguaguuaacc	0	675	674	10	5	2	7	260	214	200

scaffold46442_342852	24	agccuugcucagucgacugauggc	0	674	663	6	7	7	4	237	209	217
scaffold134612_969602	24	aaggaccgaauaagaugggagu	0	671	667	3	2	9	10	385	127	155
C13123511_3716932	24	auuucacugcaauaagaacuuugc	0	670	670	9	5	3	7	337	137	196
C13141861_3721874	24	uauggacugcaauaagaacuuugc	0	669	609	8	4	5	7	200	195	214
C14867880_4161311	24	agccuugcucagucgacugauggc	0	666	663	6	7	7	4	237	209	217
C17109108_5100246	21	ugugcuucuuuagccaucuccu	0	665	656	9	7	3	2	250	152	254
scaffold353959_2533067	24	auuuuucacaucauguaguuaaccc	0	664	655	10	5	2	7	254	210	191
scaffold423496_3096286	21	ugugcuucuuuagccaucuccu	0	657	656	9	7	3	2	250	152	254
scaffold168501_1206157	24	agcuuugcucagucgacugauggc	0	656	628	7	6	7	4	275	182	171
C17370398_5320503	21	ugugcuucuuuagccaucuccu	0	656	656	9	7	3	2	250	152	254
scaffold160847_1153203	24	uaaccaguguacugaugccacauu	0	650	530	7	6	4	7	204	179	147
scaffold357862_2561669	23	uauccacuuucuauguagaa	0	650	650	8	5	2	8	167	117	366
scaffold260238_1860696	24	gcuaccagagcggacaauaucgu	0	644	644	4	7	6	7	222	169	253
scaffold300980_2150548	24	auuuuuacuuggcacuauagcacc	0	643	642	8	6	3	7	245	232	165
scaffold300980_2150547	24	auuuuuacuuggcacuauagcacc	0	642	642	8	6	3	7	245	232	165
scaffold300980_2150546	24	auuuuuacuuggcacuauagcacc	0	642	642	8	6	3	7	245	232	165
scaffold31450_235091	24	uggacugcaauaagaacuuugcac	0	640	640	7	5	5	7	217	238	185
scaffold326093_2329970	24	aaaugcauuuagcacccucuggac	0	635	594	6	7	4	7	221	167	206
scaffold373877_2681199	24	ccuuaggaccgaguaagcuguacu	0	624	617	6	6	6	6	238	117	262
C16258231_4631289	24	gaauguacaacucacuaaugcacc	0	624	624	5	7	3	9	192	231	201
C14926744_4178158	24	auuucacugcaauaagaacuuugc	0	619	603	9	5	3	7	311	123	169
C13350022_3773147	24	agaaggaaccgcaaugaauaucu	0	618	615	4	4	5	11	255	126	234
scaffold271000_1938040	24	gaauguguuguaguacucgccu	0	617	615	8	4	6	6	130	161	324
scaffold163400_1171553	24	gaauguguuguaguacucgccu	0	617	615	8	4	6	6	130	161	324
scaffold202993_1451959	24	guuuucggauugacuuuacaccc	0	617	616	9	6	4	5	218	158	240
C14195721_3985002	24	aaaugcauuuagcacccucuggac	0	617	617	6	7	4	7	228	178	211

scaffold19519_146486	24	guuuucggauugacuuuaacacc	0	616	616	9	6	4	5	218	158	240
scaffold73235_534636	24	guuuucggauugacuuuaacacc	0	613	610	9	6	4	5	215	157	238
scaffold176545_1262344	24	aaaugcauuuagcaccucuggac	0	612	612	6	7	4	7	227	169	216
scaffold50249_371375	24	ugcauuuagcaccuccuggacagc	0	611	508	5	9	5	5	129	189	190
scaffold190286_1358858	24	aaucagacucgagcuuugcgagc	0	610	609	5	6	6	7	233	164	212
scaffold156250_1122030	24	auuuagcaccuccuggacagcaac	0	609	598	4	9	4	7	158	238	202
scaffold6761_50786	24	auuucacugcaauaugaacuugc	0	608	574	9	5	3	7	305	112	157
scaffold369633_2650611	21	uucccgguugaauuuuuugau	0	606	598	11	3	4	3	147	286	165
C14926744_4178157	24	auuucacugcaauaugaacuugc	0	605	603	9	5	3	7	311	123	169
scaffold1191_8969	24	gaauguguuuaagugacucgccu	0	604	544	8	4	7	5	142	188	214
scaffold391416_2818375	24	ggaauuucacucggauugagagc	0	602	585	7	4	7	6	234	174	177
scaffold89036_647398	23	aaauauggacugcaauaugaacu	0	600	599	6	3	4	10	235	102	262
C13213957_3739315	24	uuuugacaacgccggguucgacc	0	599	598	6	7	7	4	239	156	203
scaffold272711_1951133	21	uucccgguugaauuuuuugau	0	598	562	11	3	4	3	129	275	158
C16873363_4941452	24	aacaccggauaugauuaauaauc	0	598	597	7	4	3	10	247	113	237
scaffold337732_2412242	22	uuuucaaucacguaguuaacc	0	594	594	8	6	2	6	258	304	32
scaffold114807_830661	24	ggacuacaauaugaacuugcacc	0	591	555	6	6	4	8	161	254	140
scaffold96013_697707	24	ggacuacaauaugaacuugcacc	0	591	555	6	6	4	8	161	254	140
C17041073_5050608	25	ucccugugaugaucuaaaucugacc	0	590	564	8	7	4	6	36	42	486
C14241673_3996554	21	augaacuugguuauggcacc	0	588	587	7	4	5	5	246	337	4
scaffold134341_967754	24	ugcacccaauccgaucacuguu	0	581	574	6	9	4	5	126	197	251
scaffold159324_1142628	24	acagugauugagaacaguaccacc	0	579	543	5	6	5	8	311	111	121
scaffold130806_945225	24	gcuaccagagcggacaauaucgu	0	579	576	4	7	6	7	188	163	225
scaffold6761_50785	24	auuucacugcaauaugaacuugc	0	576	574	9	5	3	7	305	112	157
scaffold418370_3048484	24	auuucggccugauuugcacc	0	576	575	8	8	5	3	231	187	157
C13683929_3859400	24	auuucggccugauuugcacc	0	576	575	8	8	5	3	231	187	157

scaffold429701_3158388	24	aaccgcuaacucgaaaugacc	0	574	407	4	9	3	8	155	130	122
scaffold453713_3464767	24	auccgagaccuugcagaaccugac	0	572	571	4	8	5	7	206	145	220
scaffold72744_534122	24	uauggacugcaauaugaacuuugc	0	571	570	8	4	5	7	182	181	207
scaffold127442_918700	24	aaccgcuaacucgaaaugacc	0	569	461	4	9	3	8	164	146	151
C14613324_4091946	23	auuccaugcuugcaaucaaacgc	0	563	563	6	7	3	7	176	159	228
scaffold184484_1317894	24	ggacuacaauaugaacuuugcacc	0	555	555	6	6	4	8	161	254	140
scaffold79937_582248	24	ggacuacaauaugaacuuugcacc	0	554	554	6	6	4	8	160	254	140
scaffold66743_496565	24	ggacuacaauaugaacuuugcacc	0	551	551	6	6	4	8	160	250	141
scaffold99716_723391	24	aaaugcauuuagcacuacuuggac	0	548	543	7	5	4	8	246	105	192
scaffold81703_597576	24	aaaugcauuuagcacuacuuggac	0	545	543	7	5	4	8	246	105	192
scaffold176685_1262736	22	aaccaugauccaguucaagaac	0	543	419	4	6	3	9	149	200	70
scaffold323962_2314400	21	ugacggcguuagaggcucgac	0	543	543	4	5	8	4	340	160	43
scaffold421979_3082390	24	uuucaauccuguaguuaaccacu	0	538	480	9	7	2	6	145	79	256
scaffold437634_3245355	24	gccgcgaaacgucuuaaagagac	0	533	533	3	6	7	8	224	160	149
scaffold421018_3073347	24	auguacaacucauuuaugcacc	0	528	521	7	7	2	8	270	112	139
scaffold209982_1503419	24	accuuacuucgguugucaaggacc	0	527	456	7	7	5	5	268	118	70
C16709542_4847095	24	auuucggcuugauuugcacc	0	520	518	8	8	5	3	219	162	137
C14261661_4001383	24	auuaugcgccgaaauauugagc	0	519	517	7	5	5	7	299	115	103
scaffold54797_403823	24	uuuucgaaauucugacaacacc	0	518	507	8	8	2	6	231	200	76
C16759248_4873951	22	ucaccgugccguaacucuuc	0	516	501	7	9	3	3	196	203	102
scaffold103674_750538	24	uuuuucgguccgugauuugcacc	0	511	510	10	6	5	3	177	187	146
scaffold29706_222616	24	cccuuaaggaccgaguauugcacc	0	506	460	5	7	6	6	212	149	99
scaffold186336_1331009	24	aaccgcuaacucgaaaugacc	0	506	468	4	9	3	8	165	150	153
scaffold261729_1871037	24	cccuuaaggaccgaguauugcacc	0	505	459	5	7	6	6	211	149	99
scaffold6761_50834	23	aaauauguacugcaauaugaacu	0	502	419	7	3	3	10	166	71	182
scaffold427810_3138727	24	cccuuaaggaccgaguauugcacc	0	498	460	5	7	6	6	212	149	99

C13116659_3715346	24	aauaaaugguccucuuuagaucuu	0	497	485	9	5	3	7	206	102	177
scaffold70604_515995	24	acgagaccagaauugcguggggcc	0	490	406	3	6	9	6	140	98	168
scaffold286814_2050592	24	cgacugauggccagaaauagcc	0	490	488	4	7	6	7	266	133	89
C14709784_4117715	24	aauaaaugguccucuuuagaucuu	0	485	485	9	5	3	7	206	102	177
scaffold383959_2759078	24	agggauuuuggacuuugcacccc	0	483	482	7	6	6	5	198	143	141
scaffold206000_1497152	24	uuuagcaccuucugaacaacaacc	0	479	469	6	8	2	8	111	267	91
scaffold153040_1098420	23	aucauuggagcggguguagcguc	0	476	466	6	4	9	4	225	128	113
C13373834_3779112	23	aucauuggagcggguguagcguc	0	476	466	6	4	9	4	225	128	113
C12977227_3681035	24	uugggauugggaauuucuaucacc	0	475	472	9	4	6	5	204	143	125
scaffold267860_1915350	24	cccuuaaggaccgaguauugcac	0	474	460	5	7	6	6	212	149	99
scaffold120255_868722	24	uuuucgaauuucugacaacacccc	0	474	473	8	8	2	6	217	189	67
C15464919_4339213	24	gcgugucugaccgaaaugaccc	0	470	462	5	8	6	5	182	136	144
scaffold112755_816352	24	uauggacugcaauaugaacuuugc	0	469	460	8	4	5	7	157	149	154
C12651451_3601909	24	agaauacaaguugacauuuucucu	0	468	467	9	4	3	8	161	94	212
scaffold315742_2255371	24	aaccgcuaacucgaaaugaccc	0	466	465	4	9	3	8	164	148	153
scaffold273286_1955087	24	uuucaauccuguaguuacccacu	0	465	465	9	7	2	6	135	75	255
scaffold165614_1186727	19	auaccguuggucucuuagg	0	464	458	7	4	5	3	162	142	154
scaffold366756_2628653	24	uuucaauccuguaguuacccacu	0	464	464	9	7	2	6	136	75	253
C16520976_4750491	22	cugcgaaugcaagaaauuccu	0	459	198	7	5	4	6	129	68	1
scaffold74436_543251	24	agagugaucacuugggccuggcuc	0	454	453	6	6	8	4	208	140	105
scaffold15475_116633	24	agagugaucacuugggccuggcuc	0	453	453	6	6	8	4	208	140	105
scaffold432164_3183921	24	cuacugaauuccaagguuauagacu	0	451	449	8	5	4	7	96	176	177
scaffold92040_669986	24	aaaugcauuagcaccuccuggac	0	450	364	5	8	4	7	112	124	128
C12963361_3677800	22	agccaugaucuuuucagaac	0	447	288	4	6	3	9	83	151	54
C15900315_4488859	24	ggaccgagugacuugugcuuuacu	0	447	341	8	5	7	4	77	89	175
scaffold242106_1730791	24	aaauccgugaaccaaagaggecu	0	443	300	3	7	5	9	90	85	125

scaffold457842_3551194	24	auuuucggauuagccuuaacacc	0	443	442	8	7	3	6	227	113	102
scaffold87971_639700	24	uauggacugcaauaugaacuugc	0	443	442	8	4	5	7	150	146	146
scaffold232975_1666289	21	uggaagucguauugucacacc	0	438	415	6	5	5	5	41	22	352
scaffold10480_78311	24	aaaugcauuuagcaccuucuggac	0	432	391	7	6	4	7	129	108	154
C14422768_4041953	24	aacaccggauaggauuaauuauc	0	429	426	6	4	4	10	168	104	154
scaffold187734_1341199	23	uaaaugcauuuagcaccuucuga	0	426	156	8	5	3	7	50	32	74
C13521802_3817076	24	uauggacugcaauaugaacuugc	0	425	418	8	4	5	7	142	135	141
scaffold231492_1656490	22	aaccaugauccaguucaagaac	0	424	419	4	6	3	9	149	200	70
C15358003_4305490	24	accuggacagcaaccagaaggugc	0	420	360	2	7	7	8	162	123	75
C13952741_3926580	24	aaaugcauuuagcaccuucuggac	0	419	412	7	6	4	7	139	114	159
scaffold135575_977013	19	cccgaagaucaacaucuug	0	415	412	4	6	3	6	128	139	145
scaffold301194_2152709	24	aaaugcauuuagcaccuucuggac	0	414	412	7	6	4	7	139	114	159
scaffold301194_2152710	24	aaaugcauuuagcaccuucuggac	0	414	412	7	6	4	7	139	114	159
scaffold121722_879111	24	cuccacuuuuguccuaaggcacuc	0	413	412	8	9	3	4	85	136	191
scaffold121722_879112	24	cuccacuuuuguccuaaggcacuc	0	413	412	8	9	3	4	85	136	191
scaffold97004_704551	24	gggugauuggaccacuuggaacc	0	413	413	5	6	8	5	125	123	165
scaffold389349_2801093	23	cggcaccgaguccuguguaacc	0	412	408	4	8	6	5	96	121	191
C15554691_4368824	24	uauggacugcaauaugaacuugc	0	411	406	8	4	5	7	136	137	133
scaffold198528_1418733	24	cccuuaaggaccgaguauugcac	0	409	406	5	7	6	6	183	138	85
scaffold72079_531277	24	aaaugcauuuagcaccuucugaac	0	407	363	7	6	3	8	149	88	126
scaffold243407_1740375	18	ccuuacaugguuguggcc	0	405	405	6	5	5	2	329	4	72
scaffold326288_2331365	24	cgacugauggcccagaaacuagcc	0	404	387	3	8	6	7	165	135	87
C17083882_5083723	24	aaaugcauuuagcaccaccuggac	0	403	388	5	7	4	8	123	128	137
C13288591_3758298	24	aaaugcauuuagcaccuccuggac	0	401	367	5	8	4	7	112	130	125
C13990977_3935378	24	aaccgaguugcaggcuuguacacu	0	400	380	6	6	6	6	107	85	188
C14394149_4034732	24	auuucauacucggauugagagcagc	0	400	397	7	5	6	6	185	102	110

C16719948_4852345	21	cuucuugcaauaucguugau	0	397	360	9	5	3	4	94	78	188
C15283057_4281744	24	aaaugcauuuagcaccuccuggac	0	397	391	5	8	4	7	122	134	135
scaffold198450_1421804	24	ucguagaucagcgaaugugucgc	0	396	395	6	5	7	6	174	103	118
scaffold167988_1202875	24	ggaccgagugacuugugcuuuacu	0	394	355	8	5	7	4	82	93	180
scaffold8429_63186	24	aaaugcauuuagcaccuccuggac	0	394	388	5	7	4	8	123	128	137
scaffold3635_28419	24	aaaugcauuuagcaccuccuggac	0	392	391	5	8	4	7	122	134	135
C13818405_3894486	24	uccauuuucacugcaaugugaac	0	391	323	8	6	3	7	112	92	119
scaffold115744_838080	24	acaauaucguacugagguggacc	0	390	365	5	5	7	7	180	69	116
scaffold63276_464815	24	aaaugcauuuagcaccuccuggac	0	388	388	5	7	4	8	123	128	137
scaffold436609_3230609	21	agcugcugauuuauuggauccc	0	387	285	6	5	5	5	154	43	88
scaffold11274_84340	24	cgacugauggccagaaacuagcc	0	387	385	3	8	6	7	164	135	86
C14244407_3997200	22	cccaaaauucguuacuugcauc	0	386	353	7	7	2	6	59	221	73
scaffold8646_64895	24	agccuugcucagucgacugauggc	0	386	386	6	7	7	4	150	116	120
C12552251_3577916	22	auggccacucagucgacugaug	0	384	283	5	6	6	5	98	83	102
scaffold20715_155470	24	ccagagugaucucuagggccuggc	0	383	335	5	7	8	4	176	107	52
scaffold358913_2569554	24	aaaugcauuuagcaccuccuggac	0	380	379	5	7	4	8	120	127	132
scaffold220336_1575261	24	gauagucgcaagcccacuuggccc	0	377	370	4	9	6	5	109	91	170
scaffold260095_1860101	24	aaaugcauuuagcacuccuuggac	0	373	364	7	6	4	7	183	105	76
scaffold183062_1307400	24	acaauaucguacugagguggacc	0	373	367	5	5	7	7	180	68	119
scaffold387170_2783994	24	aaaugcauuuagcaccuccuggac	0	373	371	6	7	4	7	138	88	145
scaffold387170_2783993	24	aaaugcauuuagcaccuccuggac	0	371	371	6	7	4	7	138	88	145
scaffold214780_1536086	24	auuucaucucgguugagagcagc	0	370	366	7	5	6	6	165	97	104
scaffold231382_1656356	24	cuucaucagcaccgugcuugcgcc	0	369	297	6	10	5	3	90	107	100
scaffold397912_2872052	24	acaauaucguacugagguggacc	0	367	367	5	5	7	7	180	68	119
scaffold39031_290663	24	acaauaucguacugagguggacc	0	367	367	5	5	7	7	180	68	119
C13000800_3687055	23	uaaaugcauuuagcaccuccugg	0	366	296	7	6	4	6	77	99	120

C13716951_3868172	24	aaaugcauuuagcaccuccuggac	0	366	361	5	8	4	7	112	124	125
scaffold269265_1925467	22	auaugcagagaguauggcacuc	0	366	366	5	4	6	7	218	148	0
scaffold373089_2675386	22	auaugcagagaguauggcacuc	0	366	366	5	4	6	7	218	148	0
C13818917_3894674	24	aaaugcauuuagcaccuucugaac	0	364	361	7	6	3	8	149	86	126
scaffold113357_821191	24	aaaugcauuuagcaccuccuggac	0	364	364	5	8	4	7	112	124	128
scaffold113357_821189	24	aaaugcauuuagcaccuccuggac	0	364	364	5	8	4	7	112	124	128
scaffold181425_1296373	24	agaagaacaacacuuguugagugu	0	362	361	6	3	6	9	112	73	176
scaffold160844_1153152	24	ggaccgagugacuuguguuuuacu	0	361	324	9	4	7	4	71	58	195
scaffold155379_1115203	24	acaauaucguacugagguggacc	0	361	350	5	5	7	7	170	67	113
scaffold23746_178020	24	uggacugcaauaugaacuucac	0	361	359	7	5	5	7	114	146	99
C14505478_4063357	24	ggaccgagugacuugugcuuuacu	0	360	355	8	5	7	4	83	93	179
scaffold3916_30297	24	ggacugcaauaugaacuucacc	0	357	357	6	6	5	7	130	118	109
scaffold3916_30298	24	ggacugcaauaugaacuucacc	0	357	357	6	6	5	7	130	118	109
C13843041_3900638	24	uucacauugcagugaaauaggac	0	352	322	7	4	5	8	205	30	87
C13098542_3711115	24	uccauuuucacugcaaugugaac	0	351	325	8	6	3	7	112	92	121
C15276277_4280241	24	uguagacacccgauccgugacc	0	349	348	4	10	5	5	80	167	101
scaffold387170_2783996	23	uaaaugcauuuagcaccuucugg	0	348	260	8	5	4	6	91	59	110
scaffold47697_352119	24	aaaugcauuuagcaccuucugaac	0	344	309	7	6	3	8	141	59	109
scaffold26749_200606	24	gguaccaaggcuugaaccuuggac	0	343	342	5	6	7	6	166	103	73
scaffold395578_2852327	24	guucauuucggcaaugaccacc	0	343	342	6	7	5	6	119	111	112
scaffold190963_1363945	24	ggaccgagugacuuguguuuuacu	0	341	329	9	4	7	4	72	61	196
scaffold176264_1260175	24	ggaccgagugacuuguguuuuacu	0	340	329	9	4	7	4	72	61	196
scaffold135567_976923	21	cagagaagccucugaucgauc	0	338	335	4	6	5	6	121	46	168
scaffold154508_1108913	24	aaaugcauuuagcaccaccuggac	0	336	296	5	7	4	8	98	94	104
scaffold302478_2162014	24	uuuugcgucguaaaacacacccc	0	335	334	6	8	3	7	128	103	103
C13553816_3825829	24	uguagacacccgauccgugacc	0	333	333	4	10	5	5	69	153	111

scaffold259763_1857149	24	gaagaaugaacacauaauacacc	0	332	302	4	6	3	11	170	40	92
scaffold237533_1701461	23	uaaaugcauuagcaccucugg	0	331	296	7	6	4	6	77	99	120
scaffold306821_2190989	21	cgaaagcuggccccggacacc	0	331	330	1	9	6	5	90	117	123
C13051870_3699435	24	uccauuuucacugcaaugugaac	0	330	325	8	6	3	7	112	92	121
C13823031_3895766	24	aaaugcauuagcaccuccuggac	0	330	326	5	8	4	7	101	111	114
C13664431_3854523	24	uaauggaucgaagauacuuaaacc	0	329	308	6	5	3	10	152	121	35
scaffold397605_2869078	24	augggauuuuggacuuugcacc	0	329	317	8	5	6	5	142	108	67
scaffold133569_963467	23	uuucacugcaauaugaacuugc	0	329	329	9	5	3	6	138	86	105
scaffold334852_2392950	24	aaaugcauuagcaccuucugaac	0	326	322	7	6	3	8	142	62	118
scaffold173094_1238533	23	uaaaugcauuagcaccuucugg	0	323	258	8	5	4	6	91	58	109
scaffold21409_160147	24	aaaugcauuagcaccuucugaac	0	323	322	7	6	3	8	142	62	118
C13485336_3807808	24	aaaugcauuagcaccuucugaac	0	323	322	7	6	3	8	142	62	118
scaffold281240_2011420	22	uuucaaucauguaguuaacc	0	321	305	9	5	2	6	100	94	111
scaffold364066_2610718	24	aaaugcauuagcaccuucuggac	0	319	314	7	6	4	7	110	76	128
scaffold167099_1196564	22	uuuggcacaguuuugaucuaac	0	316	271	9	4	4	5	162	96	13
scaffold16592_126348	23	uaaaugcauuagcaccucugg	0	316	296	7	6	4	6	77	99	120
scaffold403164_2921148	24	auaaguuccaggcaauugaauugc	0	315	313	7	4	5	8	96	64	153
C13572739_3830478	24	ccagagugaucucuaggccuggc	0	315	315	5	7	8	4	165	96	54
scaffold97853_710379	22	auggccacucagucgacugaug	0	314	310	5	6	6	5	105	94	111
scaffold142181_1022500	24	aaaugcauuagcaccuucuggac	0	314	312	7	6	4	7	111	75	126
scaffold89048_647471	24	aaaugcauuagcaccaccuggac	0	312	305	5	7	4	8	98	97	110
scaffold221131_1581473	24	aaaugcauuagcaccaccuggac	0	312	306	5	7	4	8	102	98	106
C14848558_4155676	24	guggcacuguucacucagggcauc	0	312	311	6	8	6	4	101	147	63
scaffold328511_2346975	24	guacaacucauuagcacucggu	0	310	309	7	6	4	7	208	68	33
scaffold182197_1301010	22	auggccacucagucgacugaug	0	310	310	5	6	6	5	105	94	111
C12575257_3583511	24	caccuuggaugaguuuuauacac	0	309	300	8	6	4	6	111	113	76

scaffold10667_79675	23	uaaaugcauuuagcaccucugg	0	308	237	7	6	4	6	56	76	105
scaffold289035_2066578	23	uaaaugcauuuagcaccuucugg	0	308	257	8	5	4	6	90	58	109
scaffold288980_2066162	21	aaaccaucuucuuuuuucugc	0	305	254	9	6	1	5	52	67	135
C15598205_4382814	24	aaaauucugugaaccaaagaggcc	0	304	240	3	6	5	10	89	58	93
scaffold19445_145867	24	gaaauacuccaguacacucugcac	0	304	302	5	8	3	8	139	79	84
scaffold253650_1813542	24	accuucauucgguugagagcagcc	0	302	268	6	7	6	5	126	66	76
scaffold394958_2847201	24	uccaagaggggaaacuguaacucu	0	302	285	5	5	6	8	69	60	156
scaffold180446_1289083	23	uaaaugcauuuagcaccucugg	0	302	294	7	6	4	6	77	98	119
scaffold10667_79676	23	uaaaugcauuuagcaccucugg	0	301	295	7	6	4	6	76	99	120
scaffold24976_186559	22	ugagucauucaugucgacc	0	299	298	7	6	4	5	106	139	53
C12725669_3619994	23	uaaaugcauuuagcaccuucugg	0	298	258	8	5	4	6	91	58	109
C15955755_4510346	23	uaaaugcauuuagcaccucugg	0	298	296	7	6	4	6	77	99	120
scaffold1136_22107	23	uaaaugcauuuagcaccucugg	0	297	296	7	6	4	6	77	99	120
scaffold319084_2279883	23	uaaaugcauuuagcaccucugg	0	297	296	7	6	4	6	77	99	120
scaffold295285_2109278	24	uuugacuguguggucuaaaaauacc	0	296	291	9	4	5	6	132	81	78
scaffold441197_3283181	18	agagacuuagaccuccu	0	296	296	4	6	3	5	61	68	167
scaffold30427_227924	24	auuuagcaccaccuggacagcaac	0	296	296	4	8	4	8	91	91	114
scaffold110137_797720	23	uaaaugcauuuagcaccucugg	0	296	296	7	6	4	6	77	99	120
C15615133_4388896	23	uaaaugcauuuagcaccucugg	0	296	296	7	6	4	6	77	99	120
scaffold59287_447691	23	uaaaugcauuuagcaccucugg	0	296	296	7	6	4	6	77	99	120
scaffold189043_1349795	24	acaauaucguacugaggugggacc	0	295	273	5	5	7	7	147	49	77
C17166626_5144317	18	agagacuuagaccuccu	0	295	295	4	6	3	5	61	68	166
scaffold152259_1093240	24	caaccagaaggugcuaaaugcauu	0	294	107	5	5	5	9	38	28	41
C15363895_4307135	25	ugcuacacuugcuuuuauagacacc	0	291	195	8	8	3	6	127	67	1
scaffold78978_574801	24	uguagacaccccgauccgugaccc	0	290	290	4	10	5	5	46	149	95
C15669275_4407006	24	auccagaagaauuguuacucuuu	0	289	288	9	4	4	7	87	48	153

C16341937_4669536	23	uaaaugcauuuagcaccuucugg	0	288	258	8	5	4	6	91	58	109
scaffold281145_2010737	24	aaaugcauuuagcaccaccuggac	0	288	282	5	7	4	8	91	92	99
scaffold395106_2848419	18	agagacuuagaccuccu	0	288	288	4	6	3	5	55	65	168
scaffold174150_1245762	24	guggcacuguucacucacggcauc	0	287	268	6	8	6	4	83	133	52
scaffold261377_1869062	23	uuucacugcaauaugaacuugc	0	287	287	9	5	3	6	123	73	91
scaffold63808_468013	24	aaaugcauuuagcaccaccuggac	0	287	287	5	7	4	8	93	95	99
scaffold70202_513091	23	uaaaugcauuuagcaccuucugg	0	286	219	8	5	4	6	74	44	101
scaffold219201_1566489	24	gcccgucucagucaguugguagag	0	278	272	6	6	8	4	55	185	32
scaffold7996_60014	22	agaaaauuaguauucugugaccg	0	278	278	6	3	5	8	137	36	105
scaffold101770_737860	24	acuaacggucuuacguggcauccc	0	277	268	6	8	5	5	73	129	66
scaffold2527_23747	23	uaaaugcauuuagcaccuucugg	0	276	195	8	5	4	6	68	36	91
scaffold87422_635973	24	agagugaucacuaggccuggcuc	0	276	276	5	6	8	5	114	99	63
scaffold87554_637660	23	uaaaugcauuuagcaccuucugg	0	275	256	8	5	4	6	90	58	108
scaffold51257_377882	24	aucauaaucacaaagcucagac	0	273	266	5	6	3	10	163	42	61
C17042903_5052212	24	ccauuuuuacugcaauugaacu	0	273	268	9	5	3	7	109	57	102
C16354869_4673610	24	ggguacugacaauuuuauagcac	0	273	271	6	4	5	9	122	114	35
scaffold75577_551138	24	aaaugcauuuagcaccaccuggac	0	273	272	5	7	4	8	87	88	97
scaffold33341_248930	24	cgcugcgugaaccuuucugggc	0	272	158	7	7	7	3	64	78	16
scaffold72815_531514	21	uuuguccacauugauuuau	0	272	175	10	4	3	4	55	32	88
scaffold285362_2040065	24	uuacggauugguccuuuuacgac	0	272	263	10	5	5	4	88	102	73
C17412470_5357863	18	ccguacauggcuuuggcc	0	272	272	5	6	5	2	189	3	80
C17322799_5277717	24	aaaugcauuuagcaccaccuggac	0	272	272	5	7	4	8	87	89	96
scaffold163965_1175573	23	uaaaugcauuuagcaccuucuga	0	270	237	8	5	3	7	82	56	99
C12802823_3638555	23	uaaaugcauuuagcaccuucugg	0	270	251	8	5	4	6	81	55	115
C14211119_3988803	24	accuucuuucgguugagagcagcc	0	270	266	6	7	6	5	125	66	75
scaffold275297_1969095	24	agagugaucacuaggccuggcuc	0	270	270	5	6	8	5	113	99	58

scaffold74436_543249	24	agagugaucacuagaccuggcuc	0	269	266	5	6	7	6	113	58	95
scaffold165863_1188419	23	uaaaugcauuagcaccucugg	0	269	266	7	6	4	6	68	86	112
scaffold90869_674989	24	uguagacaccccgauccgugacc	0	269	266	4	10	5	5	44	141	81
scaffold387174_2783812	24	accuucuuucgguugagagcagcc	0	269	268	6	7	6	5	126	66	76
C16238419_4623102	24	auuguagcucaaagggggcaucc	0	269	269	5	6	7	6	85	30	154
scaffold170428_1219615	24	uacggugguacuguucacagucac	0	268	157	7	6	6	5	49	59	49
scaffold64306_471856	24	auuuuacugcaaugugaacuugc	0	268	232	10	4	4	6	117	47	68
C13773805_3883613	24	auuuuacugcaaugugaacuugc	0	268	232	10	4	4	6	117	47	68
scaffold12067_90958	23	uaaaugcauuuagcaccuucugg	0	268	254	8	5	4	6	88	58	108
scaffold188898_1348695	24	agagugaucacuagaccuggcuc	0	268	266	5	6	7	6	113	58	95
scaffold210757_1509181	24	accuucuuucgguugagagcagcc	0	268	266	6	7	6	5	125	66	75
scaffold91508_665676	23	uaaaugcauuuagcaccuucugg	0	267	258	8	5	4	6	91	58	109
scaffold177022_1265233	24	aucuauuacaaagcuacucgagc	0	267	264	5	6	3	10	163	41	60
scaffold87422_635971	24	agagugaucacuagaccuggcuc	0	267	266	5	6	7	6	113	58	95
C13470712_3804133	22	cugacuggaugccacguggcgc	0	266	234	4	7	8	3	71	106	57
scaffold85953_625425	23	uguuaggauuuuuuguuuuggac	0	265	257	13	1	6	3	154	56	47
scaffold187970_1342624	23	uaaaugcauuuagcaccuucugg	0	265	258	8	5	4	6	91	58	109
C16450474_4718250	23	uaaaugcauuuagcaccuucugg	0	264	225	8	5	4	6	75	46	104
scaffold330609_2362397	23	uaaaugcauuuagcaccuucugg	0	264	251	8	5	4	6	81	55	115
scaffold98739_715967	23	uaaaugcauuuagcaccuucugg	0	264	253	8	5	4	6	81	56	116
scaffold404675_2936716	24	aaaugcauuuagcauccuuggac	0	264	264	7	6	4	7	120	35	109
scaffold404675_2936714	24	aaaugcauuuagcauccuuggac	0	264	264	7	6	4	7	120	35	109
scaffold275818_1972867	23	uaaaugcauuuagcaccuucugg	0	263	258	8	5	4	6	91	58	109
scaffold232472_1663364	23	uaaaugcauuuagcaccuucugg	0	263	258	8	5	4	6	91	58	109
C12910311_3664768	23	uaaaugcauuuagcaccuucugg	0	263	258	8	5	4	6	91	58	109
C15358751_4305780	23	uaaaugcauuuagcaccuucugg	0	262	258	8	5	4	6	91	58	109

C16326449_4660830	21	uuuuuuaucgcaauucugcu	0	262	261	11	5	2	3	142	94	25
scaffold77291_563578	23	uaaaugcauuuagcaccuucuga	0	261	234	8	5	3	7	80	56	98
scaffold1650_12948	23	uaaaugcauuuagcaccuucugg	0	261	251	8	5	4	6	81	55	115
C12555887_3579048	23	uaaaugcauuuagcaccuucugg	0	261	258	8	5	4	6	91	58	109
scaffold31285_233749	23	uaaaugcauuuagcaccuucugg	0	261	259	8	5	4	6	91	59	109
scaffold88136_640829	23	uaaaugcauuuagcaccuucugg	0	261	260	8	5	4	6	91	59	110
scaffold361934_2591846	23	uaaaugcauuuagcaccuucugg	0	261	260	8	5	4	6	91	59	110
scaffold240235_1721434	23	uaaaugcauuuagcaccuucugg	0	260	258	8	5	4	6	91	58	109
scaffold61839_454606	23	uaaaugcauuuagcaccuucugg	0	260	258	8	5	4	6	91	58	109
scaffold111863_809940	24	auuuuaguacauuguacuggcacc	0	260	259	9	5	4	6	87	101	71
scaffold323746_2312901	23	uaaaugcauuuagcaccuucugg	0	259	258	8	5	4	6	91	58	109
scaffold392875_2831098	23	uaaaugcauuuagcaccuucugg	0	259	258	8	5	4	6	91	58	109
scaffold16384_123852	23	uaaaugcauuuagcaccuucugg	0	259	258	8	5	4	6	91	58	109
scaffold3838_32426	23	uaaaugcauuuagcaccuucugg	0	259	258	8	5	4	6	91	58	109
scaffold120217_868859	23	uaaaugcauuuagcaccuucugg	0	259	258	8	5	4	6	91	58	109
C15358751_4305779	23	uaaaugcauuuagcaccuucugg	0	259	258	8	5	4	6	91	58	109
C13317965_3765379	23	uaaaugcauuuagcaccuucugg	0	259	258	8	5	4	6	91	58	109
scaffold26561_199400	23	uaaaugcauuuagcaccuucugg	0	259	258	8	5	4	6	91	58	109
C13522280_3817087	23	uaaaugcauuuagcaccuucugg	0	259	258	8	5	4	6	91	58	109
scaffold196895_1407364	24	aaaauauaggauugcaauaugaacu	0	259	259	7	2	4	11	144	40	75
scaffold304806_2177134	24	uaaaauauaggacugcaauaugaac	0	259	259	6	3	4	11	145	40	74
scaffold161830_1160381	23	uaaaugcauuuagcaccuucugg	0	258	258	8	5	4	6	91	58	109
scaffold87554_637658	23	uaaaugcauuuagcaccuucugg	0	258	258	8	5	4	6	91	58	109
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scaffold279705_1999975	23	uaaaugcauuuagcaccuucugg	0	258	258	8	5	4	6	91	58	109
scaffold176503_1262014	23	uaaaugcauuuagcaccuucugg	0	258	258	8	5	4	6	91	58	109

scaffold178163_1273784	23	uaaaugcauuuagcaccuucugg	0	258	258	8	5	4	6	91	58	109
scaffold28613_214223	23	uaaaugcauuuagcaccuucugg	0	258	258	8	5	4	6	91	58	109
C13250209_3748856	23	uaaaugcauuuagcaccuucugg	0	256	249	8	5	4	6	81	54	114
C16055165_4549147	23	uaaaugcauuuagcaccuucugg	0	256	251	8	5	4	6	81	55	115
scaffold204712_1464337	22	cauguuuuuuaauaucuuggac	0	255	254	11	3	3	5	172	55	27
scaffold72074_526146	24	gaaauuccagaaccaugaucgauc	0	255	255	5	6	4	9	90	77	88
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scaffold284478_2034276	23	uaaaugcauuuagcaccuucugg	0	254	254	8	5	4	6	88	58	108
scaffold186544_1332582	22	ggaagauuuugucauugucuc	0	253	246	9	3	6	4	113	108	25
scaffold9375_70053	23	uaaaugcauuuagcaccuucugg	0	253	251	8	5	4	6	81	55	115
C13644123_3849341	24	aaauaggacugcaauaugaacuuu	0	252	197	8	3	4	9	63	55	79
scaffold255964_1829976	23	aaggaccgaguauaugugcaca	0	252	206	5	4	6	8	87	60	59
C16122021_4577499	23	uaaaugcauuuagcaccuucugg	0	252	247	8	5	4	6	80	53	114
scaffold153257_1100168	23	uaaaugcauuuagcaccuucugg	0	252	248	8	5	4	6	81	53	114
scaffold186745_1334050	23	uaaaugcauuuagcaccuucugg	0	252	251	8	5	4	6	81	55	115
scaffold334373_2389124	23	uaaaugcauuuagcaccuucugg	0	252	251	8	5	4	6	81	55	115
scaffold163929_1175514	23	uaaaugcauuuagcaccuucugg	0	252	251	8	5	4	6	81	55	115
scaffold187513_1339673	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115
scaffold334373_2389122	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115
C17051483_5059194	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115
scaffold404432_2924927	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115
scaffold334373_2389123	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115
scaffold245897_1758362	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115
scaffold190777_1362897	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115
C16719984_4852838	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115

C13137013_3720591	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115
scaffold77291_563573	23	uaaaugcauuuagcaccuucugg	0	251	251	8	5	4	6	81	55	115
scaffold51981_383099	23	uaaaugcauuuagcaccuucugg	0	250	249	8	5	4	6	81	54	114
C15365037_4307496	24	auguuuacucggccuuaggaacc	0	249	89	7	7	5	5	38	28	23
scaffold207171_1483139	23	uaaaugcauuuagcaccucugg	0	249	241	7	6	4	6	54	79	108
scaffold72079_531274	23	uaaaugcauuuagcaccuucugg	0	249	248	8	5	4	6	81	53	114
C12857813_3651791	24	gucuauuuucggguuguaggac	0	249	249	10	3	7	4	140	43	66
scaffold312858_2234117	23	uaaaugcauuuagcaccuucugg	0	249	249	8	5	4	6	81	54	114
scaffold304446_2175021	23	uaaaugcauuuagcaccuucugg	0	249	249	8	5	4	6	81	54	114
scaffold316381_2261288	23	uaaaugcauuuagcaccuucugg	0	249	249	8	5	4	6	81	54	114
scaffold243353_1740077	24	ucuuuuucuggauaacaauacc	0	248	242	8	5	2	9	134	51	57
scaffold63808_468009	23	uaaaugcauuuagcaccuucugg	0	248	248	8	5	4	6	81	53	114
scaffold115891_838124	23	uaaaugcauuuagcaccuucugg	0	248	248	8	5	4	6	81	53	114
scaffold186673_1333784	23	uaaaugcauuuagcaccuucugg	0	248	248	8	5	4	6	81	53	114
scaffold263113_1881675	23	uaaaugcauuuagcaccuucugg	0	248	248	8	5	4	6	81	53	114
scaffold154508_1108915	23	uaaaugcauuuagcaccuucugg	0	248	248	8	5	4	6	81	53	114
C16552248_4766229	23	uaaaugcauuuagcaccuucugg	0	248	248	8	5	4	6	81	53	114
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C16009921_4532811	23	uaaaugcauuuagcaccuucugg	0	248	248	8	5	4	6	81	53	114
C12706119_3614980	23	uaaaugcauuuagcaccuucuga	0	247	204	8	5	3	7	78	38	88
scaffold401465_2899953	18	ccauacauagcuuuggcc	0	245	244	5	6	3	4	218	0	26
scaffold165949_1188733	24	augauuuuggagugcuagaguacu	0	244	189	9	2	7	6	99	32	58
scaffold104539_756502	24	ugcaauacacggaccgaauuuggc	0	244	228	5	6	6	7	87	66	75
scaffold118764_858529	23	uaaaugcauuuagcaccuucuga	0	244	233	8	5	3	7	81	53	99
C14572970_4081140	23	agcuuacucgguccuaaggaacc	0	244	234	5	7	5	6	113	53	68
scaffold406680_2945682	23	uaaaugcauuuagcaccucugg	0	244	243	7	6	4	6	56	79	108

scaffold80816_591002	23	uaaaugcauuuagcaccuucugg	0	243	241	8	5	4	6	81	54	106
scaffold413975_3008689	24	cuuuccgugaaccaaacgaggccu	0	243	242	5	8	5	6	51	88	103
scaffold22925_171328	23	uaaaugcauuuagcaccucugg	0	243	243	7	6	4	6	56	79	108
C12983021_3682799	23	uaaaugcauuuagcaccuucugg	0	241	230	8	5	4	6	77	47	106
scaffold398951_2880019	23	uaaaugcauuuagcaccuucuga	0	241	236	8	5	3	7	81	56	99
C14591350_4086134	23	uaaaugcauuuagcaccuucugg	0	241	241	8	5	4	6	81	54	106
scaffold81846_595207	23	uaaaugcauuuagcaccuucugg	0	241	241	8	5	4	6	81	54	106
scaffold118967_859830	23	uaaaugcauuuagcaccuucugg	0	241	241	8	5	4	6	81	54	106
scaffold55887_412017	24	aagcacggacacucucuuggaggc	0	241	241	4	7	7	6	68	69	104
C17294333_5252889	24	cccaugaguugaaccuugaccuc	0	241	241	6	9	4	5	50	103	88
scaffold25254_188958	23	uaaaugcauuuagcaccuucuga	0	240	227	8	5	3	7	79	52	96
scaffold395594_2852586	23	uaaaugcauuuagcaccuucuga	0	239	238	8	5	3	7	81	57	100
C16623458_4802801	24	aaaugcauuuagcaccaccuggac	0	239	238	5	7	4	8	91	74	73
C16623458_4802802	24	aaaugcauuuagcaccaccuggac	0	238	238	5	7	4	8	91	74	73
scaffold122516_883421	23	uaaaugcauuuagcaccuucugg	0	237	196	8	5	4	6	65	51	80
scaffold315154_2251147	24	ucucauuaguuggcccuaggcac	0	237	230	7	7	6	4	42	26	162
scaffold220164_1573071	24	acucagaaggacuugaguaccauc	0	237	235	5	6	5	8	105	57	73
scaffold275818_1972866	23	uaaaugcauuuagcaccuucuga	0	237	236	8	5	3	7	81	56	99
scaffold154417_1108226	23	uaaaugcauuuagcaccuucuga	0	237	236	8	5	3	7	81	56	99
scaffold251772_1801066	23	uaaaugcauuuagcaccuucugg	0	237	237	8	5	4	6	81	54	102
scaffold358379_2565547	23	uaaaugcauuuagcaccuucuga	0	237	237	8	5	3	7	82	56	99
scaffold157632_1131325	24	gguuucggccgauacuuugaacca	0	236	199	7	6	6	5	99	53	47
scaffold113584_822096	24	auuuuacugcaauaugaacuugc	0	236	235	10	4	3	7	115	47	73
scaffold189563_1353389	23	uaaaugcauuuagcaccuucuga	0	236	236	8	5	3	7	81	56	99
scaffold189563_1353390	23	uaaaugcauuuagcaccuucuga	0	236	236	8	5	3	7	81	56	99
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scaffold177465_1268505	22	caugaucgaucauggccuggcg	0	236	236	5	6	7	4	60	67	109
C16610526_4795277	24	uaauaccgggacuaacuuuuuacc	0	235	231	6	6	3	9	114	43	74
C13196689_3735134	23	uaaaugcauuuagcaccuucuga	0	235	235	8	5	3	7	82	53	100
scaffold189991_1356453	23	uaaaugcauuuagcaccuucuga	0	235	235	8	5	3	7	82	53	100
scaffold324813_2320597	23	uaaaugcauuuagcaccuucugg	0	234	234	8	5	4	6	71	51	112
C14401042_4036637	23	uaaaugcauuuagcaccuucugg	0	234	234	8	5	4	6	71	51	112
C15284601_4282242	23	uaaaugcauuuagcaccuucugg	0	234	234	8	5	4	6	71	51	112
C16349949_4672707	23	uaaaugcauuuagcaccuucuga	0	234	234	8	5	3	7	82	53	99
scaffold44013_325431	24	auggacagagcccacagucgacu	0	233	68	4	7	6	7	19	15	34
C13061632_3701864	22	guguuaaaacaugucuaggacc	0	233	124	6	4	5	7	73	31	20
scaffold217180_1553109	23	caugaucgaucauggcuuugccc	0	233	224	7	7	5	4	93	88	43
C16500608_4740606	24	uauuuuucaucauguaguuaacc	0	233	233	11	4	2	7	104	64	65
scaffold266460_1905386	22	caugaucgaucauggccuggcg	0	233	233	5	6	7	4	55	71	107
scaffold150918_1083689	23	uaaaugcauuuagcaccuucugg	0	232	224	8	5	4	6	74	46	104
scaffold77617_569937	23	uaaaugcauuuagcaccuucugg	0	231	226	8	5	4	6	76	46	104
scaffold159334_1142668	24	cccgaccgaaaccgaaaacacccc	0	231	231	0	12	3	9	52	81	98
C16282533_4642039	23	uaaaugcauuuagcaccuucugg	0	230	221	8	5	4	6	74	45	102
scaffold61852_454631	23	caugaucgaucauggcuuugccc	0	230	224	7	7	5	4	93	88	43
scaffold182039_1300147	23	uaaaugcauuuagcaccuucuga	0	229	224	8	5	3	7	77	52	95
scaffold257134_1838277	23	agcuuacucgguccuaaggaacc	0	229	228	5	7	5	6	113	50	65
scaffold215997_1563799	24	acaagucacucgguccuaaggaac	0	228	198	4	7	5	8	87	49	62
C16585830_4782427	24	acaaggcgguaaagagcguggccc	0	228	226	2	6	9	7	91	51	84
scaffold440264_3272069	24	aauguacaacucauuuaugcacc	0	228	227	7	6	2	9	115	39	73
C13246455_3747508	23	uaaaugcauuuagcaccuucugg	0	228	227	8	5	4	6	78	45	104
scaffold12710_96270	23	uaaaugcauuuagcaccuucugg	0	228	227	8	5	4	6	77	46	104
scaffold231916_1659359	23	uaaaugcauuuagcaccuucuga	0	228	227	8	5	3	7	79	52	96

scaffold16227_122322	23	uaaaugcauuuagcaccuucuga	0	228	227	8	5	3	7	79	52	96
scaffold125370_904696	23	uaaaugcauuuagcaccuucuga	0	228	227	8	5	3	7	78	53	96
scaffold331056_2365495	23	uaaaugcauuuagcaccuucugg	0	228	228	8	5	4	6	77	46	105
C13095026_3710087	24	uuuggccaauaccaaccugaccc	0	227	196	5	9	3	7	72	73	51
scaffold19485_146142	24	auuucgggucagacagcuuaacc	0	227	197	6	7	5	6	77	57	63
scaffold74273_542136	24	acaagucacucgguccuaaggaac	0	227	198	4	7	5	8	88	48	62
scaffold20003_150178	22	caggccccacagcuuagacgc	0	227	221	3	9	5	5	43	167	11
C15556899_4369852	23	uaaaugcauuuagcaccuucugg	0	227	225	8	5	4	6	75	46	104
C14112289_3964433	23	uaaaugcauuuagcaccuucugg	0	227	227	8	5	4	6	78	45	104
scaffold87104_634039	23	uaaaugcauuuagcaccuucugg	0	227	227	8	5	4	6	78	45	104
scaffold78486_571269	23	uaaaugcauuuagcaccuucuga	0	227	227	8	5	3	7	79	52	96
scaffold172404_1233460	23	uaaaugcauuuagcaccuucuga	0	227	227	8	5	3	7	79	52	96
C13129735_3718687	23	uaaaugcauuuagcaccuucuga	0	227	227	8	5	3	7	79	52	96
scaffold69267_506905	23	uaaaugcauuuagcaccuucuga	0	226	225	8	5	3	7	78	52	95
scaffold322637_2305499	23	uaaaugcauuuagcaccuucugg	0	226	226	8	5	4	6	78	45	103
scaffold122755_885357	24	gcaaugaggucggcugucuagagc	0	226	226	5	5	9	5	88	68	70
scaffold358222_2564840	23	uaaaugcauuuagcaccuucugg	0	225	218	8	5	4	6	73	44	101
scaffold164448_1179365	23	uaaaugcauuuagcaccuucugg	0	225	225	8	5	4	6	75	46	104
scaffold131769_949432	23	uaaaugcauuuagcaccuucugg	0	225	225	8	5	4	6	75	46	104
C12750319_3625728	23	uaaaugcauuuagcaccuucugg	0	225	225	8	5	4	6	75	46	104
scaffold31285_233745	23	uaaaugcauuuagcaccuucugg	0	225	225	8	5	4	6	75	46	104
C13216261_3739951	24	uauguauugauacaucugaugcc	0	224	187	9	4	5	6	60	79	48
scaffold184163_1315575	23	uaaaugcauuuagcaccuucugg	0	224	219	8	5	4	6	74	44	101
C17005331_5026099	23	uaaaugcauuuagcaccuucugg	0	224	221	8	5	4	6	75	44	102
scaffold141891_1020618	24	aucgaucagcgaugccguggcuc	0	224	222	5	7	7	5	80	59	83
scaffold52535_387866	23	uaaaugcauuuagcaccuucugg	0	224	223	8	5	4	6	75	45	103

scaffold51587_380144	23	uaaaugcauuuagcaccuucugg	0	224	224	8	5	4	6	75	46	103
scaffold294086_2101574	22	auguacaacucauuuauugcacc	0	224	224	6	6	2	8	81	62	81
scaffold35775_266373	23	caugaucgaucauggcuuugccc	0	224	224	7	7	5	4	93	88	43
C12979701_3681885	23	uaaaugcauuuagcaccuucugg	0	223	221	8	5	4	6	75	44	102
C13466976_3803006	23	gcaaugugaacuuugcaguccau	0	223	222	7	5	5	6	72	55	95
C13656061_3852372	24	auuuagcaccgcuggacagcaac	0	222	122	4	8	5	7	42	45	35
scaffold245897_1758361	23	uaaaugcauuuagcaccuucugg	0	222	219	8	5	4	6	74	44	101
scaffold297794_2128365	24	cugcauccggaucccccacagc	0	222	221	4	11	4	5	30	76	115
scaffold354698_2538710	22	caggccccacagcuuagacgc	0	222	221	3	9	5	5	43	167	11
scaffold252226_1806089	23	uaaaugcauuuagcaccuucugg	0	222	222	8	5	4	6	76	44	102
scaffold224563_1605405	23	uaaaugcauuuagcaccuucugg	0	222	222	8	5	4	6	75	45	102
scaffold28923_216789	23	uaaaugcauuuagcaccuucugg	0	222	222	8	5	4	6	75	45	102
scaffold221131_1581472	23	uaaaugcauuuagcaccuucugg	0	221	189	8	5	4	6	64	47	78
scaffold34414_256705	23	uaaaugcauuuagcaccuucugg	0	221	219	8	5	4	6	74	44	101
scaffold403640_2918419	23	uaaaugcauuuagcaccuucugg	0	221	221	8	5	4	6	75	44	102
scaffold8660_64880	23	uaaaugcauuuagcaccuucugg	0	221	221	8	5	4	6	75	44	102
scaffold78486_571255	23	uaaaugcauuuagcaccuucugg	0	221	221	8	5	4	6	75	44	102
scaffold236925_1694923	23	uaaaugcauuuagcaccuucugg	0	221	221	8	5	4	6	75	44	102
scaffold36104_268608	23	uaaaugcauuuagcaccuucugg	0	221	221	8	5	4	6	75	44	102
scaffold190497_1360666	23	uaaaugcauuuagcaccuucugg	0	221	221	8	5	4	6	75	44	102
scaffold54972_405208	24	auuaguguaacccgaacagacc	0	221	221	4	8	4	8	136	54	31
C13308873_3762941	23	caugaucgaucauggcuuugccc	0	221	221	7	7	5	4	93	88	40
scaffold305983_2188832	24	auuuagcaccuccggacagcaac	0	220	215	5	8	4	7	75	66	74
scaffold139530_1004362	24	aaaugcauuuagcaucacuuggac	0	220	218	7	5	4	8	150	35	33
scaffold46255_341429	24	auuuuauauaucuauuucuggacc	0	220	218	12	4	2	6	76	74	68
C15571549_4374996	23	uaaaugcauuuagcaccuucugg	0	220	219	8	5	4	6	74	44	101

C14564356_4079148	21	cugcaauaugaacuuugcacc	0	220	220	6	6	3	6	100	52	68
scaffold374632_2687139	23	uaaaugcauuuagcaccuucugg	0	219	219	8	5	4	6	74	44	101
C16216587_4615185	23	uaaaugcauuuagcaccuucugg	0	219	219	8	5	4	6	74	44	101
C16701248_4842798	23	uaaaugcauuuagcaccuucugg	0	219	219	8	5	4	6	74	44	101
scaffold199934_1429358	23	uaaaugcauuuagcaccuucugg	0	219	219	8	5	4	6	74	44	101
scaffold13498_106944	23	uaaaugcauuuagcaccuucuga	0	219	219	8	5	3	7	87	51	81
scaffold81846_595209	23	uaaaugcauuuagcaccuucuga	0	219	219	8	5	3	7	71	52	96
scaffold221063_1581022	23	uaaaugcauuuagcaccuucuga	0	217	209	8	5	3	7	80	48	81
C14963116_4188338	24	uaaucuguccagacuauacucggc	0	217	210	7	7	4	6	106	54	50
scaffold40525_301660	24	aaccgaguuguaggcuuguacacu	0	217	214	7	5	6	6	55	44	115
scaffold326093_2329978	23	uaaaugcauuuagcaccuucugg	0	215	173	8	5	4	6	59	39	75
scaffold430720_3168237	24	aaaugcauuuagcaucacuuggac	0	215	214	7	5	4	8	145	36	33
C15987837_4522004	20	ugauuguagauaaccuuggc	0	214	185	7	3	5	5	77	52	56
scaffold361876_2591366	24	acaagucacucgguccuaaggaac	0	214	198	4	7	5	8	88	48	62
scaffold273479_1956405	24	uacggauuuguaccaaauccaccc	0	214	210	6	8	3	7	70	56	84
scaffold40695_303062	24	aaaauagacgcgagauuauucugac	0	214	213	5	4	5	10	134	36	43
C12764445_3629057	24	guaugcgaugcaugauuacugccc	0	213	196	7	6	6	5	58	72	66
scaffold116004_838699	24	agagugaucacuaggccuuggcuc	0	213	213	5	6	8	5	91	76	46
C13208615_3737969	23	uaaaugcauuuagcaccuucuga	0	212	212	8	5	3	7	68	50	94
scaffold171528_1227591	23	uaaaugcauuuagcaccuucuga	0	211	210	8	5	3	7	81	48	81
C15772617_4442641	23	uaaaugcauuuagcaccuucugg	0	211	211	8	5	4	6	67	42	102
scaffold427993_3140577	24	auccgagaucaacuuccuugaac	0	210	206	7	7	3	7	110	78	18
scaffold141941_1020857	24	uacggauuuguaccaaauccaccc	0	210	209	6	8	3	7	70	56	83
scaffold37300_277667	24	uucgguaaccgaaccguggccacc	0	210	210	4	9	6	5	66	71	73
scaffold198061_1416239	23	uaaaugcauuuagcaccuucugg	0	209	208	8	5	4	6	65	42	101
scaffold43789_323882	22	caggccccacagcuuuagacgc	0	209	208	3	9	5	5	38	161	9

C16201961_4608988	23	aaaugcauuuagcaccucuggac	0	208	195	5	7	4	7	62	58	75
C15532109_4361014	23	uaaaugcauuuagcaccuucuga	0	208	208	8	5	3	7	68	48	92
scaffold142568_1025252	23	uaaaugcauuuagcaccuucuga	0	207	177	8	5	3	7	68	38	71
scaffold136917_986032	23	uaaaugcauuuagcaccuucuga	0	206	205	8	5	3	7	79	38	88
scaffold173094_1238528	23	uaaaugcauuuagcaccucugg	0	206	205	7	6	4	6	53	66	86
scaffold164129_1176542	23	uaaaugcauuuagcaccuucuga	0	206	206	8	5	3	7	80	45	81
C17426050_5372950	24	aguggaugugaauggaauuuagu	0	205	161	9	0	8	7	69	29	63
C16282533_4642044	23	aaaugcauuuagcaccucuggac	0	205	192	5	7	4	7	61	56	75
scaffold386834_2780967	24	gguuucggccgauacuugaacca	0	205	201	7	6	6	5	99	53	49
C13865721_3906204	23	uaaaugcauuuagcaccuucuga	0	205	205	8	5	3	7	79	38	88
scaffold430934_3170461	24	augauuuuggagugcuagaguacu	0	204	190	9	2	7	6	99	32	59
scaffold393193_2832948	24	auuuagcaccucuggacagcaac	0	204	204	5	8	4	7	71	63	70
scaffold449143_3390121	24	ccggucaaccggaccgugaacacc	0	204	204	2	10	6	6	49	104	51
C13256083_3749985	24	ucauauugcagugaaauauggacu	0	203	150	8	3	5	8	54	34	62
C17431376_5380281	24	ugaugaaaauucguugcuaaagac	0	203	189	7	3	5	9	94	29	66
scaffold189563_1353386	23	uaaaugcauuuagcaccuucugg	0	203	203	8	5	4	6	65	39	99
scaffold189315_1351716	24	accgagaccuuuugaguuaaaac	0	202	198	6	5	4	9	56	64	78
C13670413_3856062	24	cgguuucggccgauacuugaacc	0	202	199	7	7	6	4	99	53	47
C15083624_4223395	23	uaaaugcauuuagcaccuucuga	0	202	202	8	5	3	7	78	37	87
scaffold393849_2838178	24	gcuuuugcgucguaaaaacacacc	0	202	202	6	7	4	7	84	61	57
scaffold393849_2838179	24	gcuuuugcgucguaaaaacacacc	0	202	202	6	7	4	7	84	61	57
C15987261_4521796	22	auggccacucagucgacugaug	0	202	202	5	6	6	5	65	65	72
scaffold59382_437272	24	aaugcaccggaucccaucagaacu	0	201	199	4	8	4	8	43	34	122
scaffold73993_540073	24	aauguccaacacuagauggugc	0	201	201	6	5	5	8	90	53	58
C16736462_4862092	24	auuucacugcaauguacuauugc	0	200	140	9	5	4	6	68	27	45
scaffold50794_375243	24	uacggugguacuuguacggucac	0	200	195	7	6	7	4	94	63	38

scaffold345983_2473586	24	ggugagacucgaacuccgguugcc	0	199	159	5	7	8	4	62	61	36
C17362256_5313341	24	cgguuucggccgauacuugaacc	0	198	198	7	7	6	4	99	52	47
scaffold67199_493083	24	uguggaacauagucaucagcugac	0	197	190	6	5	6	7	106	37	47
scaffold110330_799090	24	auguugacucagccuuauugcacc	0	197	197	8	7	4	5	44	79	74
scaffold274709_1964645	24	gcuuuugcgucguaaaaacacacc	0	196	195	6	7	4	7	78	62	55
C14863760_4160088	24	accuuaggagacguacauugauc	0	196	195	6	6	5	7	65	128	2
scaffold328774_2348884	22	uccucaugaauagcuguagc	0	196	196	7	6	4	5	94	91	11
scaffold76676_559546	23	uaaaugcauuagcaccuucugg	0	195	157	8	5	4	6	51	36	70
C15086472_4223633	23	aaaugcauuagcaccuccuggac	0	195	195	5	7	4	7	62	58	75
scaffold21763_162513	24	cgcugcgugaaccuuucugggc	0	194	156	7	7	7	3	64	77	15
scaffold18813_140933	24	cgcugcgugaaccuuucugggc	0	193	151	7	7	7	3	58	77	16
C15968601_4514809	22	cgcaucauuuggacgugaaucg	0	193	193	6	5	6	5	68	52	73
C16341937_4669537	23	uaaaugcauuagcaccuucugg	0	192	192	8	5	4	6	64	46	82
scaffold155247_1114327	23	uaaaugcauuagcaccuucugg	0	192	192	8	5	4	6	64	46	82
C13842059_3900104	24	agacggaugacaaaugaaaac	0	191	190	2	4	5	13	105	38	47
C14371195_4028623	24	cgcugcgugaaccuuucugggc	0	190	151	7	7	7	3	58	77	16
scaffold73921_539528	23	uaaaugcauuagcaccuucugg	0	190	188	8	5	4	6	64	47	77
scaffold450704_3413685	24	gauccaaucauuagacuguguggu	0	189	188	9	4	6	5	59	47	82
scaffold16666_127958	23	uaaaugcauuagcaccuucugg	0	189	188	8	5	4	6	64	47	77
C12570875_3582469	23	uaaaugcauuagcaccuucugg	0	189	189	8	5	4	6	64	47	78
scaffold329999_2357831	24	ucgguugaccgcccgugaacacc	0	189	189	4	9	6	5	39	74	76
scaffold399281_2882689	24	augccuuauucgguugucaagaac	0	188	181	8	5	5	6	85	49	47
scaffold377670_2709621	23	aaggaccgaguauaugugcacau	0	188	186	5	4	6	8	80	53	53
scaffold105478_763610	23	caugaucgaucaggcuuugccc	0	188	188	7	7	5	4	84	69	35
scaffold207729_1487409	24	acccacagacauggaccgucug	0	187	117	3	9	5	7	17	14	86
scaffold377670_2709622	23	aaggaccgaguauaugugcacau	0	186	186	5	4	6	8	80	53	53

scaffold377670_2709623	23	aaggaccgaguauaugugcacau	0	186	186	5	4	6	8	80	53	53
scaffold153351_1100799	24	aaaugcauuuagcaccuccugaac	0	186	186	5	8	3	8	66	60	60
scaffold357275_2557455	24	uaaccgcuaaacucgaaaugacc	0	185	178	5	8	3	8	70	61	47
C17416472_5361757	21	uaaaggagagacuagaccu	0	185	185	5	3	6	7	69	40	76
C15682305_4411531	21	auauaccugaaauuuuauucc	0	184	180	9	5	1	6	94	31	55
C13818209_3894241	24	auuuuaauuuccuggcucaccccc	0	184	182	8	8	3	5	53	52	77
scaffold19778_148557	24	cguacggauuggcucuuuuggcac	0	183	87	7	6	7	4	35	33	19
C12930555_3669526	22	acuggaauaucuuuauugac	0	183	179	7	4	4	7	98	67	14
C16955723_4992168	21	augugcauguuaccuuggucc	0	183	183	8	5	5	3	0	0	183
C15822131_4460422	24	auuuuacugcaauaugaacuuggc	0	183	183	10	4	3	7	96	30	57
scaffold102736_744342	24	auuucacugcaaugugaacuuggc	0	182	182	9	5	4	6	68	43	71
scaffold102743_744605	24	uuuuuggcauaccgguccggcacc	0	181	180	7	8	6	3	51	51	78
C15126016_4234888	24	gggauuucauacucgauugagagc	0	181	181	7	4	7	6	82	26	73
scaffold55506_409168	22	uauggacagguguuugagcgcc	0	180	173	6	4	8	4	20	13	140
scaffold234618_1678744	23	uaaaugcauuuagcaccuucuga	0	180	174	8	5	3	7	67	38	69
scaffold156647_1124618	24	ucgguaaacugaaccgugcacacc	0	180	179	5	8	5	6	82	73	24
scaffold94291_685465	24	uuuuuggcauaccgguccggcacc	0	180	180	7	8	6	3	51	51	78
scaffold357919_2562109	23	aaccgaaugaaggucccgagagc	0	179	101	2	6	7	8	45	36	20
scaffold40942_305156	24	aaauaaauaccaggauuaauagucc	0	178	177	7	4	3	10	74	52	51
C15080362_4221817	24	auugcuuugguccaggauaaugcc	0	177	166	8	5	6	5	59	46	61
scaffold133809_964250	23	uaaaugcauuuagcaccuucugg	0	177	174	8	5	4	6	61	40	73
C12747595_3625026	23	uaaaugcauuuagcaccuucuga	0	177	176	8	5	3	7	68	37	71
scaffold142568_1025251	23	uaaaugcauuuagcaccuucuga	0	177	177	8	5	3	7	68	38	71
scaffold28118_210117	24	uuacugcaaaagugaacuugcacc	0	177	177	6	6	4	8	50	59	68
C16784469_4888382	24	ucgguaaacgaaccgugcacacc	0	177	177	4	9	5	6	34	71	72
scaffold301687_2155832	24	ugucgggagacacauguauugccc	0	176	168	5	6	8	5	71	63	34

scaffold142898_1027457	23	uaaaugcauuuagcaccuucugg	0	176	170	8	5	4	6	56	39	75
scaffold85903_626768	23	uaaaugcauuuagcaccuucugg	0	176	174	8	5	4	6	61	40	73
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C12843883_3648432	23	gaagcuggucgugagcuccaga	0	176	176	4	6	8	5	40	36	100
C12733861_3621753	22	cugacuggaugccacguggcgc	0	175	143	4	7	8	3	49	66	28
scaffold405584_2934793	24	ucgguaaacgaaccgugcacacc	0	175	174	4	9	5	6	34	69	71
scaffold185021_1321565	24	ucgguaaacgaaccgugcacacc	0	175	174	4	9	5	6	34	69	71
scaffold353296_2528592	21	ugugguggucguguucguc	0	175	175	9	3	9	0	96	78	1
scaffold120501_870276	23	uaaaugcauuuagcaccuucugg	0	174	156	8	5	4	6	46	33	77
C14269715_4003251	21	ugugcgucuuuagccaucuccu	0	174	174	8	7	4	2	41	44	89
scaffold323863_2313562	21	ugugcgucuuuagccaucuccu	0	174	174	8	7	4	2	41	44	89
scaffold271506_1941864	22	auguacaacucauuuagcacc	0	173	152	6	6	2	8	49	40	63
C15619087_4390720	23	uaaaugcauuuagcaccuucugg	0	173	172	8	5	4	6	57	39	76
scaffold21420_160093	24	auuaauacugggauaucucaugcu	0	173	173	9	4	4	7	74	30	69
scaffold137357_989099	23	uaaaugcauuuagcaccuucugg	0	172	171	8	5	4	6	56	38	77
scaffold116744_844842	23	uaaaugcauuuagcaccuucugg	0	172	171	8	5	4	6	57	39	75
scaffold133809_964249	23	uaaaugcauuuagcaccuucugg	0	172	171	8	5	4	6	57	39	75
scaffold102459_742494	23	uaaaugcauuuagcaccuucugg	0	172	172	8	5	4	6	57	39	76
scaffold197435_1410992	21	gcaccagauuggauuagcuuc	0	172	172	6	6	5	4	41	53	78
scaffold107759_780397	21	uuacugcaauaugaacuuugc	0	171	138	8	4	3	6	66	35	37
C17268411_5229944	24	ggguagccgaggaagagcgugagc	0	171	153	2	4	12	6	49	66	38
scaffold233261_1668764	22	ugaucaggagccuuacucacc	0	171	168	5	8	4	5	61	91	16
C15455759_4336309	24	agcauuuccauaaggaccuuaac	0	171	170	6	7	3	8	48	42	80
C16874275_4943111	23	uaaaugcauuuagcaccuucugg	0	171	171	8	5	4	6	57	39	75
scaffold152420_1094172	23	uaaaugcauuuagcaccuucugg	0	171	171	8	5	4	6	57	39	75
scaffold63265_464471	23	uaaaugcauuuagcaccuucugg	0	170	169	8	5	4	6	58	36	75

scaffold98641_715452	22	ucggcugucuauuuaguaaacc	0	169	82	8	5	4	5	41	41	0
scaffold429527_3156467	24	agcaacggaaucuaguacggacc	0	169	154	4	6	6	8	114	31	9
scaffold4305_32649	20	uuuagcaccuccugacagc	0	168	83	4	8	4	4	18	37	28
C15676819_4409689	23	uaaaugcauuuagcaccuucugg	0	168	124	8	5	4	6	35	28	61
scaffold317459_2268125	24	auuuuuuuuaagaaacucacucu	0	168	159	10	4	1	9	45	26	88
scaffold367894_2637492	24	caggcccaagugaucacucuggcc	0	168	160	4	9	6	5	77	45	38
scaffold456751_3526642	23	agaggcggaccaggauucucc	0	168	165	4	7	7	5	47	43	75
scaffold120501_870275	23	uaaaugcauuuagcaccuucugg	0	167	156	8	5	4	6	46	33	77
scaffold146189_1049853	24	aguaggacggucagaaguuggcac	0	167	162	4	4	9	7	54	56	52
scaffold272037_1945477	24	uccguacggaccggaccuuuagc	0	167	163	5	8	7	4	48	74	41
scaffold25404_190352	23	uaaaugcauuuagcaccuucugg	0	166	157	8	5	4	6	51	35	71
scaffold120087_867694	23	uaaaugcauuuagcaccuucugg	0	166	158	8	5	4	6	51	36	71
scaffold229421_1640758	24	aguuuuaguaagugcacucaccuc	0	166	166	8	6	4	6	54	64	48
C12824923_3644126	23	uaaaugcauuuagcaccuucugg	0	165	162	8	5	4	6	50	39	73
C15718347_4423920	24	guggaauccagucucgaguugagc	0	164	62	6	5	8	5	15	27	20
scaffold116920_845864	20	agcugccgacucauucauuu	0	164	91	7	6	3	4	17	32	42
scaffold13785_103644	23	ugaauaugugagacaggacaccu	0	164	162	5	4	6	8	53	32	77
scaffold242799_1735827	24	gauacacagugcaucgucuggcc	0	164	164	6	7	6	5	71	51	42
C16732054_4858958	24	auuaaggguggugauguuggcacc	0	163	162	7	3	9	5	40	69	53
C12942517_3672486	23	uaaaugcauuuagcaccucugg	0	163	163	7	6	4	6	43	50	70
scaffold257608_1841611	24	uuuuuggcauaccgguccggcacc	0	161	161	7	8	6	3	46	42	73
C16318885_4658223	24	caaccagaaggugcuauuagcauu	0	160	136	5	5	5	9	44	41	51
C14957822_4186757	24	uaacaacacucggcugcucuaac	0	159	53	5	9	3	7	22	17	14
scaffold142_1093	24	cgcugcgugaaccuuucugggc	0	159	151	7	7	7	3	58	77	16
scaffold173899_1244116	23	agaauacucugccacacuugcug	0	159	158	6	7	4	6	45	47	66
scaffold373626_2679603	24	agguccaaguaguacaauuugccc	0	159	158	6	6	5	7	69	67	22

scaffold239242_1710025	21	accagcggcaggauccggcgac	0	159	159	1	7	8	5	0	0	159
scaffold368706_2644901	24	uaaccaaugcacugaugucacauc	0	158	140	6	7	3	8	67	45	28
scaffold158096_1134375	24	gggccuguuggaacuuggauggcc	0	158	149	6	5	10	3	68	40	41
scaffold161004_1154478	24	acgagacgcacuuugaccaaugug	0	158	152	5	6	6	7	57	21	74
C13564359_3828188	24	aucgaucauggauaugccuauugau	0	158	158	8	4	5	7	25	17	116
scaffold78486_571257	23	uaaaugcauuuagcaccuucugg	0	158	158	8	5	4	6	51	35	72
scaffold441109_3282152	24	aagguuuacucgguuccuaggaac	0	157	104	7	5	6	6	53	18	33
C16402222_4695201	24	gcacauuacucgguacaauagggc	0	157	156	5	6	6	7	55	33	68
scaffold56274_415005	24	auugguccguaggaaaugcacc	0	157	157	6	5	7	6	46	32	79
scaffold297087_2123187	24	uuucauaaucguuagacuugccc	0	156	156	10	6	3	5	47	54	55
scaffold458763_3576963	24	cgcugcgugaaccuuucugggc	0	156	156	7	7	7	3	64	77	15
scaffold7566_56839	24	agccuugcucagucgauugauggc	0	155	121	7	6	7	4	39	31	51
scaffold113037_818228	20	ugagaugaucuuguuuug	0	155	153	9	2	5	4	57	69	27
scaffold8041_60272	24	agcuuugcucagucgacugauggc	0	154	150	7	6	7	4	83	29	38
scaffold450916_3417218	24	uuuuugcacccauuccgcaugcac	0	153	126	7	9	3	5	52	37	37
scaffold455507_3499438	24	augcauuggucgguauguggguc	0	153	141	8	3	10	3	82	17	42
scaffold83688_608539	22	acgaaugagccacuauuguaug	0	153	152	6	4	5	7	54	64	34
C16162555_4591404	24	auugaacagucacuuucugacac	0	153	153	7	6	4	7	57	53	43
C13967319_3929615	24	uuuacaccagguguaacuugaacc	0	153	153	7	6	4	7	57	60	36
scaffold394733_2845367	24	ucuacuuccuguuugguuucgauc	0	152	150	12	6	4	2	38	55	57
scaffold316101_2257973	24	aaaaguccagguaggccauggcc	0	152	151	3	6	8	7	70	42	39
scaffold60361_443737	21	cgugguggucgcuugcuguc	0	152	152	7	5	9	0	85	67	0
scaffold261822_1871573	24	ugucaggagacacaugaugccc	0	151	107	5	6	7	6	44	38	25
C16797937_4895948	24	ggcgcauuggcacaagacuugaac	0	151	136	4	6	7	7	48	41	47
scaffold351501_2514968	24	gcaaugaggcggcugucuagagc	0	151	148	5	5	9	5	55	45	48
C13106341_3712921	24	ucauuugcagugaaauauggacu	0	151	150	8	3	5	8	54	34	62

C17084556_5081999	23	aaucgagauuaguguuggacacu	0	150	144	7	3	6	7	97	39	8
scaffold305903_2185077	24	auguuuacucgguccuuaggaacc	0	150	146	8	6	5	5	76	38	32
C15639937_4397038	24	aaagauugguccucuaaagaaccu	0	150	149	8	5	4	7	78	31	40
scaffold410998_2982689	24	aguuaggcuauaaagagggauucc	0	150	149	6	3	7	8	62	39	48
C16678330_4830065	24	augaaaacuugguagagaugaucuc	0	150	150	7	3	6	8	104	28	18
scaffold456751_3526612	21	augaagagguuucuacuugcac	0	149	146	6	4	5	6	47	69	30
scaffold346922_2481073	24	caaccagaaggugcuaaaugcauu	0	148	134	5	5	5	9	45	39	50
scaffold280898_2008308	24	auuggcacuauaucgacauugage	0	148	145	7	5	5	7	76	57	12
C14420042_4041231	24	aaaguccagguggagccauggccc	0	148	148	3	7	8	6	55	41	52
scaffold293649_2099023	24	caaccagaaggugcuaaaugcauu	0	147	136	5	5	5	9	44	41	51
scaffold73762_545373	24	agucgagaggguucuguagacacc	0	146	144	4	6	8	6	68	35	41
scaffold99728_723445	23	agcuuacucgguccuaaggaacc	0	146	145	5	7	5	6	68	37	40
scaffold414778_3015895	24	auaaguuccagacaauugaauugc	0	145	140	7	4	4	9	45	50	45
C16747390_4867269	24	uauuugaauucgguggcaaguugcc	0	145	144	9	4	7	4	49	42	53
scaffold300456_2146831	24	gcccuuaggauacacguuaacaug	0	144	128	6	6	5	7	44	39	45
scaffold355785_2613549	24	uuuacauguaaaaacguuggacc	0	144	143	7	5	4	8	62	31	50
scaffold45390_335714	23	gaagcuggucgugagcuccaga	0	144	144	4	6	8	5	30	29	85
scaffold153523_1101944	24	agugggccuuaggguuucaagcc	0	143	87	6	5	8	5	37	29	21
scaffold118124_855109	24	aagagauuccggugaaccguccac	0	143	142	4	7	6	7	50	36	56
scaffold46205_341112	24	acuacaauaugaacuuugcagucc	0	143	142	7	6	3	8	60	37	45
scaffold302382_2160388	24	uacauuguuuuaguaaacucacc	0	143	142	9	6	2	7	69	41	32
scaffold286399_2047521	24	ucaucagucgacugaugggcacug	0	143	143	6	6	7	5	67	43	33
scaffold18159_137039	24	caaccagaaggugcuaaaugcauu	0	142	136	5	5	5	9	46	41	49
C12900547_3662223	24	aaauccacucgguuuccuuaggacc	0	142	138	7	8	4	5	54	30	54
scaffold387082_2783017	24	aaauccaguucaacaugauagaac	0	142	141	5	5	3	11	71	27	43
C16859025_4932290	24	auaaaggguugguaguuggcacc	0	142	141	6	3	9	6	30	69	42

scaffold122261_881707	24	accaaauuguaaaacucauaaagu	0	141	140	7	4	2	11	1	0	139
C13355108_3774391	22	ucggaagaauuucaggugcaac	0	140	138	5	4	6	7	100	34	4
scaffold158274_1136072	23	uaaaugcauuuagcaccuucugg	0	140	139	8	5	4	6	39	32	68
C14663100_4105140	23	uuugguucacggauuuuaguacu	0	140	140	11	3	5	4	41	31	68
scaffold265721_1899806	24	ucaucagucgacugaugggcacug	0	140	140	6	6	7	5	65	43	32
C16846919_4925268	24	aaauuuugacacgacacgcuaacc	0	140	140	5	7	3	9	47	46	47
scaffold59276_436803	18	caauacauggcuuuggcc	0	139	71	5	5	4	4	63	1	7
scaffold6500_48963	18	caauacauggcuuuggcc	0	139	71	5	5	4	4	63	1	7
scaffold168805_1208972	24	augugugugauacaucugaugccc	0	139	138	8	5	6	5	39	54	45
scaffold416678_3033169	24	aagguuuaccgguuccuaggaac	0	138	111	7	5	6	6	56	17	38
scaffold42135_312836	24	cuuuagaaucaauagaacuuggc	0	137	127	8	4	4	8	68	31	28
scaffold147432_1058756	24	agacucauacaggcuuuggcaugc	0	136	126	6	6	6	6	46	38	42
C13879557_3908992	24	ucagucgacugaugccuugcuc	0	136	135	7	7	6	4	45	27	63
scaffold124710_897979	22	uuuugauuggucgagaaaacug	0	136	135	8	2	6	6	82	52	1
C13226855_3742505	24	gguguagcaauacuuguagagugu	0	135	127	8	2	8	6	47	42	38
scaffold206360_1477473	24	caaccagaaggugcuaaaugcauu	0	135	133	5	5	5	9	44	38	51
C13660255_3853524	24	aucgaucauggacaugcccaugau	0	135	135	6	6	5	7	21	16	98
scaffold173919_1244183	24	ccgguuaaccggaccgugcacacc	0	134	126	3	10	6	5	22	54	50
scaffold58370_430232	23	uaaaugcauuuagcaccuucugg	0	134	134	8	5	4	6	38	30	66
scaffold322037_2300752	18	uuugauacgcaccugaau	0	133	132	6	4	3	5	48	59	25
C14248819_3998238	24	auuguuggcccacuacuuacagc	0	132	131	7	7	4	6	42	43	46
scaffold187734_1341207	24	caaccagaaggugcuaaaugcauu	0	132	132	5	5	5	9	44	39	49
scaffold454947_3488177	24	gaccgguuagaacaguuuuuggcc	0	132	132	7	6	6	5	64	48	20
scaffold22413_166866	24	gaccgguuagaacaguuuuuggcc	0	132	132	7	6	6	5	64	48	20
C12563469_3580736	22	ugugcuuuugaacuccaggucc	0	131	116	8	6	5	3	60	56	0
C14615178_4092484	24	aaaugcauuuagcaccuucugguu	0	131	128	9	5	4	6	36	28	64

C16804513_4900348	24	aaaugcauuuagcaccuucugguu	0	131	129	9	5	4	6	35	30	64
scaffold107759_780391	24	auacuguaauaugaacuuugcacc	0	131	131	8	5	3	8	44	45	42
scaffold28651_214618	22	ccguacuugauuuucagacacc	0	130	53	7	7	3	5	24	29	0
C14093065_3959676	23	uaaaggucccgguccguacggac	0	130	118	4	7	7	5	34	40	44
scaffold449869_3400834	24	uuucauaaucauuagaccuugccc	0	130	130	9	7	2	6	49	69	12
C16488964_4735221	24	cuugcaccaggagacugugucc	0	129	129	5	9	6	4	43	35	51
scaffold46468_343009	24	gaagagaucugcaggcuggucauc	0	128	110	5	5	8	6	35	34	41
scaffold185836_1327530	24	gaaaguguuuccggaauuugugcu	0	128	127	9	3	7	5	29	43	55
scaffold335055_2393980	22	caacccauuuauugcaccgggu	0	128	128	5	8	3	6	30	39	59
scaffold293912_2100258	22	caacccauuuauugcaccgggu	0	128	128	5	8	3	6	30	39	59
scaffold241456_1726530	24	aaucugguuaccagugcacugacc	0	128	128	6	7	5	6	48	43	37
scaffold190676_1362036	24	cuccuuagucgacugagugagccu	0	127	120	7	7	6	4	38	26	56
scaffold339405_2424986	23	uaaaggucccgguccguacggac	0	127	124	4	7	7	5	36	42	46
C15286509_4282753	24	ggguguugucagaaaucgaaaac	0	127	125	5	4	7	8	57	23	45
C15630041_4394309	24	aaaugcauuuagcaccuccugaac	0	127	125	5	8	3	8	52	33	40
C16383577_4687837	24	aaaugcauuuagcaccuucugguu	0	127	126	9	5	4	6	38	27	61
scaffold271308_1940212	24	cggucugacucuagaagguggcac	0	127	126	5	6	8	5	60	30	36
C12796170_3636757	22	cauggagaacaaguccagggc	0	127	127	2	6	7	7	68	33	26
C16410272_4698762	24	uaguucucauguagaauuaggcc	0	126	117	8	4	6	6	60	57	0
scaffold125925_907089	24	aauuccggacagcugugauggggc	0	126	120	5	5	9	5	79	40	1
scaffold396038_2856054	24	caucugcacucaccucuaauagg	0	126	124	7	9	3	5	12	48	64
scaffold103968_752519	24	uuuggguuuggacaacacagacc	0	126	125	6	6	6	6	53	32	40
scaffold311553_2224643	24	ccgguaaacggaccgugcacacc	0	126	126	3	10	6	5	22	53	51
C16550690_4764998	24	ccgguaaacggaccgugcacacc	0	126	126	3	10	6	5	22	54	50
scaffold8965_67114	24	cuagcuccggguugaaggauauc	0	125	114	6	6	7	5	44	27	43
scaffold374230_2683943	20	aaggaccaguccuacggac	0	125	121	3	6	5	6	62	12	47

scaffold415345_3020809	22	uuugaacuugagcuauaacacc	0	125	123	7	5	3	7	66	57	0
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scaffold81177_590182	22	caugaucaaacucuuugacc	0	124	114	7	7	2	6	53	46	15
C12664097_3604879	24	aaacaaguaacucuagugugagcu	0	124	123	6	4	5	9	54	33	36
scaffold44051_325723	21	caugauauacauuguugccc	0	124	123	7	5	4	5	51	45	27
scaffold78385_570124	24	aagcuuaacucgguuccuuaggac	0	124	124	7	6	5	6	37	38	49
C17278875_5238877	24	uaagagacuacaagccuuguc	0	124	124	6	5	4	9	75	40	9
scaffold422363_3086276	23	cugcgugaaaccuuuugggcc	0	123	72	7	7	6	3	25	38	9
scaffold282561_2020160	21	aacugcugacucguugauucg	0	123	117	7	5	5	4	22	27	68
scaffold289347_2068678	22	uaagacuugaugagcuggcuu	0	123	123	8	3	6	5	71	33	19
scaffold141342_1016303	21	ggaagaaggcaaagaaccugc	0	121	118	1	4	7	9	62	56	0
C13415502_3789695	21	cagagaauccucugaucgauc	0	121	120	5	6	4	6	45	21	54
scaffold319958_2286435	24	cguguucgaguuaauuaaaugac	0	120	53	8	3	5	8	27	11	15
scaffold368706_2644909	24	ugugacaucagugcauugguuagu	0	120	120	9	3	7	5	57	32	31
scaffold290251_2074722	24	ucagucgacugaguggccaucagu	0	120	120	6	6	7	5	31	39	50
scaffold201456_1440884	23	aaauauggauugcaauugaacu	0	119	99	7	2	4	10	53	12	34
scaffold143212_1029082	24	ucagucgacugaguggccaucagu	0	119	119	6	6	7	5	31	38	50
scaffold4305_32650	20	uuuagcaccuccugacagc	0	118	83	4	8	4	4	18	37	28
C13560391_3827149	24	aggauauuacucauaaaaugagu	0	117	116	7	2	4	11	55	16	45
scaffold207399_1484946	24	gcaaaaucguuuugcacuuggac	0	117	117	7	6	5	6	66	18	33
scaffold187664_1340637	24	gcaaaaucguuuugcacuuggac	0	117	117	7	6	5	6	66	18	33
C14191781_3983904	24	gcaaaaucguuuugcacuuggac	0	117	117	7	6	5	6	66	18	33
scaffold54424_401517	22	gaccaggaccacuaucacgug	0	117	117	3	8	5	6	18	25	74
scaffold193914_1385846	24	gagaguaaauggaauuuuucggc	0	116	61	5	2	7	10	37	9	15
scaffold202056_1444817	24	gugaucacucuggccuaaaugagc	0	116	81	6	6	6	6	39	21	21
scaffold180313_1290857	24	uugcuguugguguuuaaauagagac	0	116	105	10	2	7	5	53	35	17

scaffold203802_1457778	21	uugaugaaguauaccugaga	0	116	115	6	3	5	7	0	0	115
C16322001_4658799	21	ugugcaucuuugccaucccu	0	116	115	8	7	3	3	45	45	25
C13277793_3755174	22	cagauucagcauuuucugguc	0	116	115	8	5	4	5	59	56	0
scaffold59887_443607	22	cgaauuugaauugccuugagcc	0	115	114	7	5	5	5	0	0	114
C17404436_5350536	24	aguaaaugaucauauacucggccc	0	115	115	6	6	4	8	44	42	29
scaffold163371_1171269	24	acagcuuacucgguccuuaggaac	0	114	94	6	7	5	6	42	27	25
scaffold396068_2856191	24	aagguuuacucgguccuaggaac	0	114	98	7	5	6	6	51	15	32
C16349949_4672704	24	caaccagaaggugcuaaaugcauu	0	114	104	5	5	5	9	35	26	43
scaffold392850_2830067	24	cuaaaagucucaaucuguaccgau	0	114	112	7	6	3	8	28	17	67
C16068943_4553996	22	gaagguccucaaucggcgguc	0	114	112	4	6	7	5	48	40	24
C15575919_4375589	24	caaaucgguccgagauuugcacc	0	113	99	6	7	5	6	21	23	55
C13248485_3747871	21	ugacuggaugccacguggcgc	0	113	113	4	6	8	3	34	53	26
C15329727_4296294	24	ugaguauaugaaucacucacc	0	112	107	8	5	4	7	50	32	25
C13408512_3787967	24	aggcucagucgacugaggcuugcu	0	112	111	6	6	8	4	44	33	34
C15388859_4316305	24	caaccagaaggugcuaaaugcauu	0	111	98	5	5	5	9	34	24	40
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scaffold195017_1393592	24	ucagucgacugaugccuugcuc	0	111	111	7	7	6	4	45	24	42
scaffold51834_382071	24	uuagaggcaccuuggcugaagcc	0	111	111	5	6	8	5	38	34	39
C13639819_3848072	23	uaaaugcauuuagcaccaccugg	0	111	111	6	6	4	7	23	41	47
scaffold246392_1762192	21	cauggguggacuuggcaagac	0	111	111	4	4	8	5	48	45	18
scaffold169410_1212616	24	uugcaggcuuguacacucggguugc	0	110	79	8	6	7	3	21	21	37
scaffold430132_3162824	24	uuuuuuuucuuugacuuugcacc	0	110	107	13	6	2	3	18	39	50
scaffold118875_859211	24	aguaaaugaucauauacucggccc	0	110	107	6	6	4	8	40	41	26
scaffold104251_754644	24	cgggaccuucuuugguugagagc	0	109	54	6	6	8	4	18	25	11
C13575081_3831191	21	ucacugcaauaugacuugc	0	109	94	7	5	3	6	43	24	27
scaffold179170_1280337	24	ccagagugaucacuagggccuggc	0	109	103	4	7	8	5	42	38	23

scaffold325781_2327924	24	caaccagaaggugcuaaaugcauu	0	109	104	5	5	5	9	35	26	43
scaffold345620_2470878	24	aaacgagaaguggguuaacuaaac	0	109	108	4	3	6	11	50	32	26
scaffold347440_2484301	24	agcugauucguaucguugaacc	0	109	108	7	7	5	5	50	58	0
scaffold273589_1957181	24	auuuucaaugugacauggcacauc	0	108	96	8	5	4	7	39	28	29
scaffold284478_2034286	24	caaccagaaggugcuaaaugcauu	0	108	102	5	5	5	9	35	24	43
scaffold49136_362751	24	uucugggccaucagucgacugagc	0	108	106	6	7	7	4	36	31	39
C16718350_4851560	24	uuuccaucgcucgacugugggcgu	0	108	108	8	7	7	2	30	35	43
scaffold223093_1595345	20	uuguaagaaccaugaauuu	0	108	108	7	3	3	7	69	39	0
scaffold25852_193745	24	ugauuuuuuaccaacuuggcagc	0	107	105	10	5	4	5	39	46	20
scaffold288867_2065420	24	accgaggccuuuugaguuaaaac	0	107	107	6	5	5	8	23	32	52
scaffold85578_622775	24	agagugaucuaagccuggcuc	0	106	85	5	6	7	6	38	15	32
C14097917_3960927	24	uuucauuuaguaguuaaccacu	0	106	93	10	5	2	7	44	21	28
scaffold123836_892809	23	uaaaugcauuagcaccaccugg	0	106	103	6	6	4	7	19	38	46
scaffold401229_2898028	24	aagguuuacugguuccuaggaac	0	105	100	7	5	6	6	51	17	32
scaffold372719_2672553	23	auuaaguaguaccgguauuagu	0	105	102	9	2	5	7	38	34	30
scaffold53112_391988	22	ugggguaguggaaauuugucac	0	105	104	7	2	8	5	44	33	27
scaffold355057_2541097	24	acauguaaaaacgccacuggcacu	0	105	105	4	7	4	9	30	22	53
C14059109_3951727	24	cgugcgaacuggccuuuuggcac	0	105	105	6	8	7	3	13	48	44
scaffold217640_1555987	24	uauuggguuagugacacuuuggcc	0	104	100	10	4	7	3	21	48	31
scaffold34185_254931	24	caaccagaaggugcuaaaugcauu	0	104	102	5	5	5	9	35	24	43
C16113889_4571903	24	uuuaaugcauccgguagaauagg	0	104	103	7	3	6	8	28	30	45
scaffold16240_122339	24	acuagaaauuguccugaagcacc	0	104	103	5	7	4	8	56	37	10
scaffold302388_2160438	24	aaugugcugccuaaagucacc	0	103	99	5	8	5	6	29	32	38
scaffold258251_1846379	22	acuacaauaugaacuuugcacu	0	103	101	7	5	2	8	35	30	36
C13999025_3937389	24	uuuacacuaggguuacuugaacc	0	103	103	8	5	4	7	53	29	21
scaffold125115_901142	23	uaaaugcauuagcaccaccugg	0	103	103	6	6	4	7	19	38	46

C16259755_4634354	24	cagaaggugcuaaaugcauuuagc	0	102	67	6	4	6	8	20	26	21
scaffold69617_509043	24	augccacgucagauuuuuugucc	0	102	100	9	6	5	4	35	34	31
C15258555_4274216	23	acucagucgacugauggccccaga	0	102	101	4	7	6	6	44	20	37
C16709948_4847014	24	uuuaaugcauccgguaagaauagg	0	102	102	7	3	6	8	27	30	45
C14262675_4001628	24	ucagucgacugauggccacucagu	0	101	67	6	7	6	5	31	13	23
C16830203_4915355	24	agugcacuuacauaaacucggcuc	0	101	96	6	7	4	7	42	23	31
C13183277_3731562	22	ucccacuuggagacaauugcaac	0	101	96	4	7	4	7	41	34	21
scaffold69127_505779	23	cauuggcucggccuuuaggacc	0	101	100	5	8	6	4	42	29	29
C17137702_5122161	23	aauguagaacucauuuauagcacc	0	101	101	6	5	3	9	39	37	25
scaffold283088_2024084	24	uugaggaccaauuagcaugcuguu	0	100	92	7	4	6	7	1	2	89
scaffold9900_73656	24	ucacucguaugaaccuuuauggcu	0	100	99	8	6	4	6	24	36	39
scaffold41863_312189	21	uauuucacugcauuuauugaacu	0	99	97	8	4	2	7	34	21	42
scaffold370920_2660358	24	agcuuaacucaguuccuuaggacc	0	99	99	7	7	4	6	15	29	55
C16781419_4886519	24	ccgguaaacuggaccgugcacacc	0	99	99	4	9	6	5	21	45	33
C14713428_4118716	23	gaggacuuggaugaauugguuc	0	98	72	7	2	9	5	36	13	23
scaffold157153_1128101	24	auccacauaugguuggaaagcucu	0	98	96	7	5	5	7	42	24	30
scaffold99044_718236	24	auuuucaaugugacauggcacauc	0	98	96	8	5	4	7	39	28	29
scaffold29587_221817	24	ucagucgacugaugagccuugcuc	0	98	98	7	7	6	4	39	21	38
scaffold434843_3211933	24	cgguaaacggaccgugcacacc	0	98	98	3	10	6	5	25	26	47
scaffold426864_3128650	24	auagaaauuaccagugacucac	0	97	87	6	5	4	9	59	23	5
scaffold374808_2688316	24	acaagucacucaguccuaaggaac	0	97	89	4	7	4	9	26	35	28
C16675540_4828598	24	aucuuaggcuaguaacaugcacc	0	97	95	6	6	4	8	42	23	30
scaffold158849_1139340	24	aauuuugggcugggcugggagccc	0	97	97	6	6	9	3	32	29	36
scaffold26392_198099	23	uaaacccguacauuuuugaaauga	0	96	91	7	4	3	9	17	22	52
C12700033_3613519	22	uaaaugcauuuagcaccuucug	0	96	91	8	5	3	6	39	23	29
C15489585_4347165	24	uccaacggcuauuuucugggccau	0	96	96	7	7	5	5	39	19	38

scaffold136162_980531	24	aaugcacugaugccacaucauuug	0	95	84	7	6	4	7	28	21	35
scaffold136163_980551	24	aaugcacugaugccacaucauuug	0	95	84	7	6	4	7	28	21	35
C13091962_3709253	24	aaugcacugaugccacaucauuug	0	95	84	7	6	4	7	28	21	35
C16213093_4612511	21	uaugucgcgcgacacuugccc	0	95	93	5	8	5	3	41	25	27
C13503748_3812364	21	uaugucgcgcgacacuugccc	0	95	93	5	8	5	3	41	25	27
scaffold218294_1560527	24	cuccuauuuuguagccaagacacc	0	95	94	7	8	3	6	38	35	21
scaffold381157_2737008	24	acuuccaguaugcuguagaggcgc	0	95	95	6	6	7	5	41	15	39
scaffold138556_997187	24	acuuccaguaugcuguagaggcgc	0	95	95	6	6	7	5	41	15	39
scaffold206333_1476679	24	acuuccaguaugcuguagaggcgc	0	95	95	6	6	7	5	41	15	39
scaffold350496_2507129	24	ggacaguaucguuacuaugucgc	0	95	95	7	5	7	5	36	31	28
scaffold177267_1266970	24	gccgugaaacgucuuaaagagagc	0	94	54	4	5	7	8	21	14	19
scaffold276950_1981121	22	uguucacucucuucugucagu	0	94	73	11	6	3	2	28	30	15
C16671708_4826628	24	aaguuuguugauaggaacucgccu	0	94	82	8	4	6	6	20	14	48
scaffold433139_3193962	23	auaaccauggguauccggggcccc	0	94	82	4	7	7	5	22	30	30
C15232483_4266239	24	ucagucgacugauggccacucagu	0	94	83	6	7	6	5	32	21	30
C15446737_4333333	24	cucugagcgcugcugauaacguguu	0	94	94	8	5	7	4	31	23	40
scaffold305726_2183204	24	aaugucgcgucgccuaaagucaccc	0	93	84	5	8	5	6	18	28	38
scaffold202675_1449393	23	aaaauaggauugcauaugaacu	0	93	91	7	2	4	10	47	12	32
scaffold307588_2196817	22	uaaaugcauuuagcaccuucug	0	93	92	8	5	3	6	40	23	29
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C15047276_4212137	24	auuuuacaacugauaugacacc	0	92	53	7	5	3	9	31	15	7
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scaffold204845_1465371	24	caaccaugacuagucaacauugac	0	92	89	5	7	3	9	45	37	7
C13374860_3779360	24	aagaauuggaacuaaguuggccu	0	92	90	5	3	7	9	59	29	2
scaffold420041_3064722	24	aauuuuugagaguuuugaaacacc	0	92	91	9	3	4	8	36	22	33

scaffold38400_290921	22	uaaaugcauuuagcaccuucug	0	92	91	8	5	3	6	39	23	29
scaffold152254_1093440	22	uaaaugcauuuagcaccuucug	0	92	92	8	5	3	6	40	23	29
C13370502_3778553	22	uaaaugcauuuagcaccuucug	0	92	92	8	5	3	6	40	23	29
scaffold132303_953242	23	uaaaugcauuuagcaccaccuga	0	91	90	6	6	3	8	41	18	31
scaffold69670_509522	20	aggaugggugacccccuggg	0	91	90	3	5	9	3	40	37	13
scaffold402233_2906474	24	gcaaaagcacuuuugcaccugagc	0	90	89	5	7	5	7	38	34	17
scaffold100479_728597	22	uaaaugcauuuagcaccuucug	0	90	90	8	5	3	6	41	22	27
scaffold295109_2108309	20	uccaaagaaccggauaacac	0	90	90	2	6	3	9	50	26	14
scaffold178125_1273627	24	guauaauggcuguguauuuugcac	0	89	73	10	3	6	5	29	28	16
scaffold253650_1813546	24	accuucaucgguugagagcaacc	0	89	83	6	7	5	6	37	24	22
scaffold453070_3452935	24	caccgagaaaaugauuaaugaauac	0	89	88	5	4	4	11	49	15	24
C16642252_4811365	24	aaaguuggcccaaacaccucuggg	0	89	89	4	7	6	7	15	17	57
scaffold452476_3442638	24	uugguacugaucgaagcauggcc	0	89	89	6	6	7	5	52	23	14
scaffold274003_1959851	22	cauuuagcaccaccuggacagc	0	88	88	4	8	4	6	27	30	31
scaffold59454_437989	24	caucagucgacuaagcagagaggc	0	87	34	3	6	7	8	11	10	13
scaffold44649_330411	24	agugaaauaggacugcaaaguuc	0	87	78	6	3	6	9	42	14	22
scaffold340150_2430386	24	aaugcaccgguaagaauaggugg	0	87	82	4	4	8	8	28	14	40
C16623458_4802803	24	acaugcauuuagcaccacuuggac	0	87	82	6	7	4	7	30	28	24
scaffold340538_2434894	24	auguguaugauacaucugaugccc	0	87	83	8	5	5	6	38	35	10
scaffold454926_3487696	21	accugugaccucuuuaauaca	0	87	85	7	6	2	6	36	14	35
scaffold249041_1781810	22	uuuaggacauaacauucaguac	0	87	86	7	4	3	8	71	8	7
C13510758_3814335	24	aaaugcauuuagcaccuucugauu	0	87	86	9	5	3	7	20	24	42
C13020022_3691609	21	uaaaugcauuuagcaccucucu	0	86	79	7	6	2	6	28	22	29
scaffold453639_3463640	24	aauguacaacucacuaaaugcgcc	0	86	85	5	8	3	8	14	11	60
C14468244_4053749	21	ggacugcaauaugaacuuugc	0	86	86	6	4	5	6	29	33	24
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scaffold107459_777485	20	aagggaugguuacaagcac	0	85	41	3	3	6	8	22	11	8
C15601029_4383943	24	ggacaguaucguuacuaugugcgc	0	85	81	7	5	7	5	28	28	25
scaffold438323_3249585	24	cgggaccuucuuucguugagagc	0	84	32	6	6	8	4	12	14	6
scaffold120396_869626	24	auuuagcaccaauucugaugagac	0	84	83	7	5	4	8	28	33	22
scaffold6600_49611	24	augcauuuagcaccuucugguugc	0	84	84	9	6	5	4	29	27	28
C15920013_4496477	24	ugaucacgccuuggccuaaggacc	0	84	84	5	8	6	5	22	33	29
scaffold408232_2958697	23	aguaaauguauuuacucacucg	0	83	19	8	4	4	7	5	2	12
scaffold408700_2962557	24	auggacagagcccaucagucgacu	0	83	63	4	7	6	7	18	15	30
scaffold145021_1044169	24	auaaauaucguacugagguggacc	0	83	66	6	4	7	7	19	17	30
C15455759_4336311	24	agguccuuauugggaaaugcuaaa	0	82	55	7	4	6	7	11	16	28
C13676505_3857622	24	acggaaaaccgucgcuaaaggucc	0	82	69	3	7	6	8	28	22	19
scaffold89169_648220	24	aucuaauggucuaaaaaguuuac	0	82	79	8	3	4	9	33	27	19
scaffold453286_3457324	24	aaccugcuaacucgaaaugacc	0	82	80	5	8	3	8	34	31	15
scaffold13758_103452	23	uacuuuacucgguuccuuaggac	0	81	44	9	6	4	4	21	9	14
C16168647_4593834	23	agaaauguggaaguuggcaacc	0	81	77	4	3	7	9	25	32	20
C13026008_3693113	24	acagucagugagaccagcagagc	0	81	80	2	7	7	8	31	20	29
scaffold373626_2679514	21	uccaaguaguacaauuugccc	0	81	80	6	6	3	6	22	47	11
C17235205_5201451	23	accacuuuuuuuauaguagcuugu	0	81	81	12	4	3	4	9	5	67
C14154339_3974580	24	agcucugcucagucgacugauggc	0	80	56	6	7	7	4	23	18	15
scaffold261664_1870641	24	ccggucaaccggaccgucacacc	0	80	77	2	11	6	5	9	34	34
C13506508_3813187	22	uuagaauccgagaauuuggugc	0	80	78	7	3	6	6	36	37	5
scaffold295340_2109718	24	acacuguacugcgcuaagagccc	0	80	79	4	9	5	6	34	24	21
scaffold116177_839909	24	uacggaucaaaacuagcaggcccc	0	80	80	3	8	6	7	6	10	64
C17155326_5135425	24	uacggaucaaaacuagcaggcccc	0	80	80	3	8	6	7	6	10	64
scaffold360146_2578087	21	cauggguggacuuggcaagac	0	80	80	4	4	8	5	36	32	12
scaffold458357_3564696	23	uuguggguggcaccagucgac	0	80	80	6	5	9	3	31	48	1

scaffold290956_2079615	22	uuuauacagucaaauguugggcc	0	79	76	7	4	5	6	0	0	76
scaffold300708_2148685	24	ucugugagaaaauccuaugguac	0	79	77	8	4	5	7	28	49	0
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scaffold25404_190353	23	uaaaugcauuuagcaccaccuga	0	79	79	6	6	3	8	35	14	30
C15301315_4287362	24	auuuagcaccaauucugaugagac	0	78	77	7	5	4	8	27	32	18
scaffold72276_527384	24	uacggaucaaacuagcgaggcccc	0	78	78	3	8	6	7	5	10	63
scaffold17408_131251	24	aaauuuggggccugaggcaagagc	0	78	78	4	4	9	7	39	17	22
scaffold120960_873018	24	guacuguucacagucacuguuac	0	77	62	8	7	4	5	23	19	20
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C16193297_4604098	24	aaaauaggacuguaauaugaacu	0	77	75	7	2	4	11	35	9	31
C13588471_3834823	24	uguaccucgagaugucgauugacc	0	77	75	7	6	6	5	27	29	19
scaffold352904_2526135	22	ccccgaagaaccgguagaaccg	0	77	77	1	8	6	7	22	19	36
C16799949_4897310	24	ccggucaaccggaccgugcacacc	0	77	77	2	11	6	5	9	34	34
scaffold112313_814085	24	cagaaggugcuaaaugcauuuagc	0	76	40	6	4	6	8	12	16	12
scaffold367523_2634817	21	uugauucaaguuuuuagacu	0	76	44	10	2	3	6	11	10	23
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C15960915_4511926	24	ggggauuagucggaccgaaggugc	0	76	69	4	4	11	5	29	15	25
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scaffold60191_442782	24	ggaagaccacguaccgcucgauc	0	76	74	3	9	6	6	11	38	25
C16837191_4919797	20	agucgacugauggcccagaa	0	76	75	3	5	6	6	29	16	30
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C17037047_5047613	24	aagguacaacucauuuaugcacc	0	76	76	6	6	3	9	22	18	36
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scaffold258070_1844887	23	uuucauccuggggacggcguggc	0	75	53	6	6	9	2	17	12	24
scaffold207113_1482462	24	gguccagugguagacaacuuucac	0	75	65	6	6	6	6	19	37	9

scaffold299540_2141276	24	gaguuuuuuuuaaauaacucgccu	0	75	73	10	4	5	5	17	18	38
scaffold253242_1811265	23	gaaccguuagaaccguuaaaacc	0	75	75	4	6	4	9	29	15	31
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scaffold90882_660568	24	egguuuggcaccccuauucuaac	0	74	63	7	9	4	4	13	12	38
scaffold217546_1555559	24	ugauggaccuuagucgacugagc	0	74	66	6	6	7	5	14	13	39
scaffold263469_1884264	24	auagaucuaggagcucaggcugcc	0	74	72	5	6	7	6	40	32	0
scaffold83082_604047	24	aagguacaacucauuuaugcacc	0	74	73	6	6	3	9	24	19	30
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scaffold197926_1414533	24	uggacacugauggagcugugaggc	0	74	74	5	4	10	5	34	21	19
C16669252_4825422	24	acccauauaugugcaccuugguac	0	74	74	7	7	4	6	35	21	18
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C17023137_5037767	24	cggaaugggcuaaaugguacucgc	0	74	74	5	5	8	6	38	24	12
scaffold135523_976599	20	ucaucaaaaauuuaaccgg	0	73	40	5	4	2	9	21	19	0
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C14244963_3997371	24	aaaugcauuuagcaccuuuggac	0	73	66	8	5	4	7	23	14	29
scaffold452111_3436514	24	gaaaguggacucuuaauuugggac	0	73	72	7	3	7	7	25	22	25
scaffold16466_124788	21	cagaggauccucugaucgauc	0	73	73	5	6	5	5	17	11	45
C14538908_4072359	22	uaaaugcauuuagcaccuucug	0	73	73	8	5	3	6	30	19	24
scaffold166033_1189322	24	aaaaguucaugucuaaaaucc	0	72	38	8	5	2	9	19	16	3
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scaffold321415_2296700	24	accguaaugaauaaucaugcuuaac	0	72	64	7	5	3	9	42	11	11
scaffold408591_2961603	24	aggaauuuaggauucuuaggaaac	0	72	69	7	2	6	9	34	15	20
C13475846_3805278	24	acaaaucaaagcauucgaagacuc	0	72	69	4	6	3	11	22	18	29
C16391561_4690367	24	cugguuagacguugaucugaguc	0	72	71	8	5	7	4	36	13	22

scaffold454679_3483033	24	gcaagauauugucugcuuuggcac	0	72	71	8	5	6	5	17	28	26
scaffold230565_1650000	24	auuuuucaauccuauaguuaacc	0	72	72	10	6	1	7	27	24	21
C15771389_4442020	24	aucagucgacugaugggcuuugcu	0	71	51	8	5	7	4	15	15	21
C15007934_4200832	22	cagacaaguggauugauuuug	0	71	66	7	2	6	7	36	11	19
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scaffold139530_1004359	24	aaaugcauuagcaucaccuggac	0	71	70	6	6	4	8	31	12	27
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scaffold365599_2620048	21	uuuccgguugaauuuuuugau	0	70	22	12	2	4	3	6	16	0
scaffold311814_2226375	24	cagagugaucacuagggccugccu	0	70	67	5	7	7	5	17	20	30
scaffold161126_1155251	22	caggaaugcaaaaugcuguuuu	0	70	68	7	3	5	7	36	18	14
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scaffold156201_1121844	24	cagaaggugcuaaaugcauuuagc	0	69	66	6	4	6	8	20	26	20
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scaffold145852_1047014	24	aauaccgaucgguacuguccauu	0	69	68	7	6	4	7	28	12	28
scaffold248544_1778161	24	agaacaucuccaccauuuucauc	0	69	69	6	8	1	9	37	18	14
C14880906_4164885	24	augcauuuagcaccuucugguugc	0	69	69	9	6	5	4	25	24	20
scaffold300279_2145895	24	ccuaaacggaaucaggauccucc	0	69	69	6	8	4	6	22	37	10
C15014210_4202615	22	cgguuuuuggcauuaggcauc	0	68	31	8	4	6	4	2	0	29
scaffold92551_672756	21	cuaaaugcauuuagcaccccc	0	68	56	5	8	2	6	24	16	16
scaffold53916_397667	22	cgcucuuuugaauaccuuuauac	0	68	66	9	7	2	4	25	40	1
scaffold7714_57921	24	aaaugcauuuagcaccuucugaau	0	68	67	8	5	3	8	23	9	35
scaffold92992_676283	24	aaugguaugugucaauaguagccc	0	68	68	7	4	6	7	17	29	22
scaffold440667_3277082	24	cuggccuuuagggaugaauucuc	0	67	24	8	6	6	4	17	3	4
scaffold452961_3450794	24	guugcgagauaccaaguauaaacu	0	67	59	6	4	5	9	14	17	28
scaffold39939_311940	24	cauuucaacuauuuuugggcgcc	0	67	63	9	6	4	5	34	18	11
C14574976_4081691	21	gagagucaucuuguugugag	0	67	65	8	2	7	4	28	16	21

scaffold279687_1999912	24	uuauuggcaaacccgaacccgcc	0	67	65	4	9	4	7	16	29	20
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scaffold2114_16540	23	uggccauugauaguauuuacuca	0	67	66	9	4	4	6	23	15	28
scaffold326170_2330445	23	agaguuaccugcugcggggcuau	0	67	67	6	6	7	4	35	12	20
scaffold142870_1027021	24	gagugugucuguacaacucgccu	0	67	67	7	6	6	5	18	16	33
scaffold388731_2796691	22	cucuccucaaaagucuuccggc	0	66	40	6	10	3	3	35	2	3
scaffold85143_619636	24	gacaauaucguacugaggugggac	0	66	48	5	4	8	7	24	5	19
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scaffold325115_2322850	24	uaccgauggaccagagauugugc	0	66	57	5	5	8	6	32	9	16
scaffold440969_3280252	22	gggacaggccauagaguuggac	0	66	64	3	4	9	6	5	5	54
scaffold402633_2909992	24	cagcaucagauaggcuuaggcacc	0	66	66	4	7	6	7	26	18	22
scaffold208082_1489466	24	ugcaauaggccgaauaugucac	0	65	28	5	5	7	7	11	10	7
C15161058_4245045	23	ucaucagucgacugauggcacu	0	65	47	6	6	5	6	22	8	17
scaffold121669_877626	24	ugagucacuuacauaaacucgac	0	64	44	6	6	4	8	23	9	12
scaffold418080_3045719	22	aggacuucuuucugcuugcuu	0	64	48	11	5	4	2	15	20	13
C16937369_4980759	24	agggacaaauuacuauucaugaac	0	64	51	6	4	4	10	34	7	10
scaffold92551_672755	21	cuaaaugcauuuagcaccccc	0	64	56	5	8	2	6	24	16	16
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C14502518_4062673	24	ucaucagucgacugaguggccauc	0	64	59	6	7	6	5	26	15	18
C16282533_4642041	24	augcauuuagcaccuucugguugc	0	64	64	9	6	5	4	23	22	19
C14833834_4151755	24	aggccuggcaauuuugacacgac	0	63	55	5	6	6	7	18	23	14
scaffold50107_370197	24	ucucaucaguuggccuuaggcac	0	63	59	7	7	6	4	22	15	22
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scaffold127219_917396	24	auaccugguccguguagagggac	0	63	61	5	6	8	5	19	9	33
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scaffold33173_247578	24	ucuagagccagcggugaguagccc	0	63	62	4	7	8	5	12	35	15
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C14677030_4108880	24	uguacaacucauuuaugcaccgg	0	63	63	6	7	4	7	15	18	30
C14677028_4108888	24	uguacaacucauuuaugcaccgg	0	63	63	6	7	4	7	15	18	30
C15161058_4245046	23	ucaucagucgacugauggcacu	0	62	47	6	6	5	6	22	8	17
scaffold75837_552722	22	ccaucugcugaugaauguugc	0	62	48	8	5	5	4	33	9	6
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scaffold223446_1598044	24	caucagucgacugagccucagccc	0	62	60	4	10	5	5	16	10	34
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scaffold414557_3013753	24	cuggaguauuucauuuagacuc	0	61	55	9	4	4	7	21	15	19
scaffold141417_1016703	21	auuuucauugauguagaccu	0	61	56	9	3	4	5	18	8	30
scaffold163721_1173607	24	guuuuacuauuagauuuggauuacc	0	61	60	10	3	4	7	28	19	13
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scaffold335765_2398957	24	ccuacuaaaggggaacguaggccu	0	59	48	4	6	7	7	13	11	24
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C15732603_4428581	20	uuaacaugugcccuaggac	0	59	59	6	5	4	5	27	22	10
C16811321_4904202	24	aauguuuacucaguuccuaggaac	0	58	25	8	5	4	7	16	5	4
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C16405056_4696534	23	uggccauugauaguauuuacuca	0	58	58	9	4	4	6	21	14	23
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scaffold204852_1465539	24	agagugaucacuuaggccuggcuc	0	58	58	6	6	7	5	29	24	5
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C15280075_4280716	21	ugggacggccaugauccugcu	0	54	54	5	6	7	3	5	5	44
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scaffold410985_2982475	22	uaguuuucggagcucugcauuc	0	54	54	9	5	5	3	28	8	18
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scaffold206186_1475460	23	ucccguaucgaguacagaacc	0	53	51	5	7	4	7	22	12	17
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C16565558_4772480	24	acgaaaaaccgucgcaaaaggucc	0	53	53	3	7	5	9	30	18	5
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C17224753_5192506	24	cggcacaacguacucugugggguc	0	52	50	5	7	8	4	23	23	4
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scaffold113596_822068	24	auuguuggcccacuaccuauuagc	0	52	52	7	7	4	6	18	23	11
scaffold271665_1943320	24	aacaguuucgggucguauuggguc	0	51	35	8	4	8	4	18	7	10
C15505015_4352118	24	gccuaggcgcgauuuuuagaacac	0	51	36	6	6	6	6	17	10	9
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C14557096_4076991	24	auauuacuuuauacugcuagacc	0	51	50	8	5	2	9	22	9	19
C16865757_4936581	24	cuccuaaggaccgaguauugcacc	0	51	50	5	7	6	6	24	12	14
C16131977_4578853	24	cuccuaaggaccgaguauugcacc	0	51	50	5	7	6	6	24	12	14
C14595172_4087008	23	uaaaugcauuuagcaccaccuga	0	51	51	6	6	3	8	22	9	20
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scaffold414757_3015695	24	aaaauaggagugcaauaugaacu	0	50	27	6	2	5	11	15	3	9
scaffold377364_2707426	23	aaucguggauucuguuagucu	0	50	43	10	3	5	5	11	3	29
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scaffold47596_351264	24	gauuccuaguagggcuacugacu	0	49	45	8	5	6	5	27	13	5
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scaffold313139_2236163	24	cuauugcacugagauaauguacac	0	49	48	7	5	4	8	27	3	18
scaffold70634_516173	24	auggguuaguagcaccaggucu	0	49	48	7	5	7	5	18	13	17
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C17289277_5248250	24	uuugauaccauguuaagaaccauc	0	49	49	8	5	3	8	26	14	9
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scaffold173205_1239201	21	cuaaaugcauuuagcaccuc	0	47	47	6	7	2	6	14	17	16
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C15051268_4213262	24	agaaccguuagaaccguuaauau	0	46	46	6	4	4	10	18	11	17
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scaffold163104_1169602	24	gagucuuuuguagaccguaguacc	0	45	45	7	6	6	5	27	17	1
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C16669252_4825425	24	uccuugagacccauauaugucac	0	44	44	7	7	4	6	13	13	18
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C16426784_4706562	24	uacggagauucgucguuaagacc	0	26	25	7	5	6	6	12	5	8
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C16725316_4855352	20	aaggauuucuuuaaacgugg	0	26	25	7	2	5	6	10	15	0
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C15028484_4206609	22	ucuauauagugaguagaucacc	0	26	26	7	4	4	7	20	5	1
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scaffold156263_1122005	24	uuuauugcgccuauuaccuugggc	0	26	26	10	6	5	3	15	6	5
scaffold282992_2023233	24	agagccugauauacuauugggcc	0	25	18	7	5	6	6	8	6	4
scaffold42517_315964	24	gaagguacuaaaugcauuuagcac	0	25	19	6	4	5	9	8	5	6
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scaffold227031_1623525	24	auuucggguuagacacgcuaacc	0	25	24	7	6	5	6	9	3	12
scaffold443695_3314571	24	guucaauguauagcuucuggcacc	0	25	24	8	6	5	5	5	6	13
C15534589_4361768	21	aaucaaaauuguaugucgccu	0	25	24	8	4	3	6	7	17	0
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scaffold34487_257196	23	uccacgugcaaguauggguugc	0	24	14	6	5	8	4	3	4	7
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scaffold431771_3180061	24	uucacagaauacacaguaguuac	0	24	23	6	5	3	10	18	5	0
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C17202669_5173373	24	aaaauuacuuggucuucaaac	0	19	11	9	5	2	8	6	4	1
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scaffold20306_152477	24	aucuauaucuuuuaacuuac	0	19	18	11	5	1	7	6	4	8
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C17336231_5289410	24	auccgauacguauccugcacugau	0	13	13	7	7	4	6	2	1	10
C17052633_5058579	24	aagggcgaacuugggaccgugugg	0	13	13	4	4	11	5	3	1	9
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C17082560_5080601	24	agcuuaagcgacugacaaggcuuu	0	13	13	6	5	6	7	3	4	6

C14082723_3957243	24	aauggacuguccaucguguggccc	0	13	13	6	7	7	4	9	4	0
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scaffold379486_2724295	24	auuuucaaugugauaugacacacc	0	13	13	8	5	3	8	4	6	3
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scaffold239006_1708382	24	cagaggccccgcgauguuuagaac	0	12	12	4	7	7	6	1	1	10
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scaffold454062_3471259	23	cugacaccaguuauucugauuac	0	12	12	6	6	3	8	4	6	2

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scaffold452391_3441065	24	cacucucauuuuaaaaaaucuc	0	8	2	8	7	1	8	2	0	0
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scaffold401343_2898990	24	aacaaauucauuugggcuugguc	0	8	7	9	4	5	6	5	1	1
C14747812_4128079	23	uuuccugacgcguuggacgcgcc	0	8	7	6	8	7	2	1	2	4
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scaffold44004_325591	23	ugcaguuggugucauuuauga	0	8	7	9	2	7	5	1	5	1
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C16248225_4627090	21	uagagacuccucugauugauc	0	7	5	7	5	4	5	0	0	5
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scaffold380573_2732622	24	auuuucgguauaccaaguucggu	0	7	6	9	4	5	6	2	0	4
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C13212363_3738910	24	aguuuuuuguagguugggauggccu	0	6	2	10	2	9	3	0	0	2
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scaffold344038_2458736	24	uucagguucgaacucuggcgagcc	0	6	3	6	7	7	4	0	0	3
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C15743719_4432527	20	auacucaguccuucacaacc	0	6	3	5	8	1	6	3	0	0
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C16331355_4662858	24	aaguauccgugcuauaguaguauc	0	6	5	8	4	5	7	0	2	3
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C16974061_5003976	24	guggcucgugauggacuuggccc	0	6	5	6	6	9	3	1	2	2
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C15033704_4208354	24	guagucgcauagauuuuuuagc	0	4	1	8	4	5	7	1	0	0
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scaffold271704_1943254	24	uccugaguaaguguaacaaauacac	0	3	2	6	5	4	9	0	2	0
C16667388_4824411	24	ggcuucuuuguccuccugggacuc	0	3	2	9	8	6	1	0	2	0
scaffold410467_2977623	24	uuaaagcucugcuaucauuugacc	0	3	2	9	6	3	6	0	2	0
scaffold451638_3428378	20	uuuccgucgcgaauauauug	0	3	2	8	4	4	4	0	2	0
C17179398_5154358	23	ucgcacgugaaggggaguguuga	0	3	2	5	3	10	5	0	2	0
C16500946_4740751	24	gguucaaagucgcgguuuuggguc	0	3	2	8	4	9	3	0	2	0
scaffold436641_3230951	21	aguaaaugguauauuacucuu	0	2	1	8	2	3	8	0	0	1
scaffold51651_380756	23	aaaacucgaagcuuugccgaaau	0	2	1	5	5	4	9	0	0	1
C16226547_4618066	24	ccucacacaacacaugauguguug	0	2	1	6	7	4	7	0	0	1
scaffold444498_3325088	24	uauggcuugcaguucacacugguu	0	2	1	9	4	6	5	0	0	1
scaffold415243_3019949	24	ccaauuccugccaguuacacaugac	0	2	1	6	9	3	6	0	0	1
scaffold91358_664302	19	aaaaggaauuccauagaau	0	2	1	4	2	3	10	0	0	1
scaffold207978_1488845	23	aggagacguacaauaugu	0	2	1	5	3	6	9	0	0	1
scaffold30530_228679	20	cuucuuguuugacauaaauu	0	2	1	10	3	2	5	0	0	1
C17006165_5025710	24	acagauugcaguacaguauugcgc	0	2	1	5	5	6	8	0	0	1
scaffold168995_1209636	22	uguagucugguucugaggac	0	2	1	8	3	8	3	0	0	1
scaffold438843_3255960	23	caaugacagucacaaaaaugaa	0	2	1	4	4	3	12	0	0	1
scaffold200984_1437230	24	cgggucacgugauugggcucgacu	0	2	1	6	6	9	3	0	0	1
C16930467_4976500	22	aucaucaacgcugaauccgaac	0	2	1	4	7	3	8	0	0	1
C17300163_5260048	22	ccugugggacucucugcuucu	0	2	1	9	7	5	1	0	0	1
scaffold280696_2006965	24	acauacgaaguauauaugcgccu	0	2	1	7	5	4	8	0	0	1
scaffold59143_435798	24	aucgguuagccccgucgacacgc	0	2	1	5	9	6	4	0	0	1
scaffold390306_2809080	20	uuuuuuucggguugggucaa	0	2	1	9	2	6	3	0	0	1
C17385470_5333545	21	augacaagcgaguaaagcauu	0	2	1	4	3	5	9	0	0	1
scaffold353598_2530523	24	aggcucuaagaagucuagugucc	0	2	1	6	6	6	6	0	0	1

scaffold287792_2057643	25	uuacguaugugguaugucugugcu	0	2	1	11	3	8	3	0	0	1
scaffold294150_2102006	24	cgguucgugcgguggcgugcgg	0	2	1	7	5	12	0	0	0	1
scaffold166557_1192815	22	agccauuuagcacuaugaacac	0	2	1	5	6	3	8	0	0	1
scaffold358053_2563050	24	cugaugugauaugaugcgucacu	0	2	1	9	4	6	5	0	0	1
scaffold451753_3430488	24	gcuucaucgaugccgauagacacc	0	2	1	5	8	5	6	0	0	1
scaffold447611_3367302	24	gguuuuuaucggucgucaauggcu	0	2	1	10	4	7	3	0	0	1
scaffold176866_1264022	24	agguuuccuccgagcuccuugcac	0	2	1	7	9	5	3	0	0	1
scaffold176866_1264021	24	agguuuccuccgagcuccuugcac	0	2	1	7	9	5	3	0	0	1
scaffold127495_926891	22	cacucguauagaccuuuuuuuu	0	2	1	9	5	3	5	0	0	1
C17267525_5229362	23	aacguacgucuuuagcgacgu	0	2	1	6	6	5	6	1	0	0
C13726313_3870553	23	cgucgucgucgucaccuggacgg	0	2	1	5	8	8	2	1	0	0
scaffold95835_696570	21	uguuggaggcuugagagggac	0	2	1	5	2	10	4	1	0	0
scaffold406862_2945997	24	gcuugucguauaacaaucccaac	0	2	1	6	7	3	8	1	0	0
scaffold166557_1192794	24	auuuuagcaccagauauuuuac	0	2	1	9	6	2	7	1	0	0
scaffold455865_3506578	23	aucgagucgguuuuuguugucg	0	2	1	10	3	8	2	1	0	0
scaffold447005_3359390	23	cguaggugcaaaagucuuuugc	0	2	1	7	4	7	5	1	0	0
scaffold66764_488963	24	auaaaauagagagccaaagagguu	0	2	1	5	2	6	11	1	0	0
C14355693_4024591	21	cggaggggucgagucugagcc	0	2	1	3	5	10	3	1	0	0
scaffold306639_2189682	24	gggaucgaguaggauugcagcgc	0	2	1	4	5	10	5	1	0	0
scaffold352710_2524328	24	agcauugaauuggaguuuuccaaac	0	2	1	7	4	5	8	1	0	0
scaffold66939_490396	23	uuuuagugacgguuuuuauaucgc	0	2	1	11	4	5	3	1	0	0
scaffold449701_3398063	23	guaaaacuguaauaaaaagaacc	0	2	1	4	3	3	13	1	0	0
C16787741_4890126	23	ucggagauggacucgagcgga	0	2	1	3	4	10	6	1	0	0
scaffold317801_2270788	23	ccacaaaauaguaguaaacacuu	0	2	1	6	5	2	10	1	0	0
scaffold121691_877798	21	gaggagguagccucguauga	0	2	1	5	3	8	5	1	0	0
scaffold296096_2115234	24	cuuaggagauguacaauuggucaau	0	2	1	8	3	6	7	1	0	0

scaffold344418_2461570	24	ugcuuguuuuuguguuagaaagcug	0	2	1	11	2	7	4	1	0	0
scaffold249093_1782160	24	gaugucacugaaguaaguggaac	0	2	1	5	3	8	8	1	0	0
scaffold411484_2986616	24	aauccucaccauauagccagagcu	0	2	1	5	8	3	8	1	0	0
scaffold284961_2037227	24	gagaauuuucguagacauacu	0	2	1	8	3	5	8	1	0	0
scaffold440568_3275872	21	uuccacucugauuggguuaug	0	2	1	8	4	5	4	0	1	0
C13247219_3747494	24	ccauuuuuuuggcacuuuauacc	0	2	1	11	6	2	5	0	1	0
C15324537_4294666	21	gauaacucggauguugagcgg	0	2	1	5	3	8	5	0	1	0
scaffold82048_596400	24	uugucgcgcgacaauggcuucc	0	2	1	6	8	6	4	0	1	0
scaffold456829_3528275	24	uuuauuuuuuagacauugcccc	0	2	1	10	5	2	7	0	1	0
scaffold166978_1195838	24	accgaggcauuuugaguuaaaac	0	2	1	6	4	5	9	0	1	0
scaffold70557_515530	24	uuuauaguuguccauuguucuuu	0	2	1	14	3	3	4	0	1	0
scaffold211486_1514110	21	uuuagugacuuuuucguug	0	2	1	12	2	5	2	0	1	0
scaffold345782_2471701	24	auuccaagcauacucaugagcucu	0	2	1	7	7	3	7	0	1	0
scaffold73004_532906	24	aaggagggcagcucagcaaguacc	0	2	1	2	6	8	8	0	1	0
scaffold181026_1293518	24	cuccuucggauauccauuaaacac	0	2	1	7	8	2	7	0	1	0
scaffold115022_832140	24	cauuccaaaaucauuuagugac	0	2	1	8	6	2	8	0	1	0
C17424875_5371308	22	cucgagagcggguuguucac	0	2	1	5	7	7	3	0	1	0
scaffold39739_295644	24	gugauuuuuuuuugaaacgagggc	0	2	1	8	2	7	7	0	1	0
scaffold262765_1878978	24	caauguguguugccuaggcucaau	0	2	1	8	5	6	5	0	1	0
scaffold23178_173122	24	uccgguuuuugguaaaguggugcu	0	2	1	9	3	8	4	0	1	0
scaffold192380_1375135	18	uuucuuaggcgacguagg	0	2	1	6	3	6	3	0	1	0
C14704542_4116397	18	uuucuuaggcgacguagg	0	2	1	6	3	6	3	0	1	0
scaffold247808_1773224	24	uggcacuuaacccauucuaugggc	0	2	1	7	7	5	5	0	1	0
C13997971_3937283	23	aaauacuagaggauugcuaaaugc	0	2	1	5	3	5	10	0	1	0
scaffold97498_707837	24	uuucaacauuccagcauucguc	0	2	1	7	8	2	7	0	1	0
C14457462_4050890	21	gcacuuggcugcugcauuacc	0	2	1	6	7	5	3	0	1	0

Supplementary Table 7. Differentially expressed miRNAs identified in the three libraries of SO1, SO2, and SO3.

Type	num	up	down
SO1 vs SO2	600	24	576
SO1 vs SO3	514	165	349
SO2 vs SO3	742	593	149

Supplementary Table 8. Experimentally identified miRNAs and their target genes.

miRNA name	Target gene
U436803	FLJ623552, FLJ622887
U3692923	FLJ626117, FLJ617315
U3938865	FLJ575285
U4351355	FLJ613583
U3400834	FLJ622616
U805963	FLJ419428
U1645883	FLJ602301
U977315	FLJ527490