

Qualimap Report: BAM QC



Input data and parameters

QualiMap command line

```
qualimap bamqc -bam CALIBRATED_BAM/calibrated_tumor_bwa2.bam -nw 400 -hm 3
```

Alignment

Command line:	bwa-mem2 mem -t 12 /media/mae/Elements/hg38_bundle/Homo_sapiens_assembly38.fasta TRIMMED_FASTQ/trimmed_tumor_1.fastq.gz TRIMMED_FASTQ/trimmed_tumor_2.fastq.gz -R @RG
Draw chromosome limits:	no
Analyze overlapping paired-end reads:	no
Program:	bwa-mem2 (2.2.1)
Analysis date:	Wed Oct 04 02:39:07 TRT 2023
Size of a homopolymer:	3
Skip duplicate alignments:	no
Number of windows:	400
BAM file:	CALIBRATED_BAM/calibrated_tumor_bwa2.bam

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Summary

Globals

Reference size	3,217,346,917
Number of reads	12,934,424
Mapped reads	12,933,426 / 99.99%
Unmapped reads	998 / 0.01%
Mapped paired reads	12,933,426 / 99.99%
Mapped reads, first in pair	6,466,775 / 50%
Mapped reads, second in pair	6,466,651 / 50%
Mapped reads, both in pair	12,933,182 / 99.99%
Mapped reads, singletons	244 / 0%
Secondary alignments	0
Supplementary alignments	15,534 / 0.12%
Read min/max/mean length	30 / 125 / 123.24
Duplicated reads (estimated)	1,986,760 / 15.36%
Duplication rate	15.06%
Clipped reads	215,387 / 1.67%

ACGT Content

Number/percentage of A's	419,159,963 / 26.36%
Number/percentage of C's	377,225,329 / 23.72%
Number/percentage of T's	414,455,370 / 26.07%

Number/percentage of G's	379,162,239 / 23.85%
Number/percentage of N's	8,296 / 0%
GC Percentage	47.57%

Coverage

Mean	0.4943
Standard Deviation	3.3079

Mapping Quality

Mean Mapping Quality	16.83
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Insert size

Mean	108,188.66
Standard Deviation	3,265,314.41
P25/Median/P75	139 / 172 / 222

Mismatches and indels

General error rate	0.33%
Mismatches	5,102,109
Insertions	61,814
Mapped reads with at least one insertion	0.47%
Deletions	78,035
Mapped reads with at least one deletion	0.59%
Homopolymer indels	42.52%

Chromosome stats

Name	Length	Mapped bases	Mean coverage	Standard deviation
chr1	248956422	151116396	0.607	3.479
chr2	242193529	107344824	0.4432	2.9289
chr3	198295559	93214396	0.4701	3.1078
chr4	190214555	60945846	0.3204	2.8262
chr5	181538259	72176269	0.3976	2.829
chr6	170805979	73506395	0.4304	3.0094
chr7	159345973	116525813	0.7313	5.1534
chr8	145138636	67002064	0.4616	3.5629
chr9	138394717	62720905	0.4532	2.9712
chr10	133797422	53742710	0.4017	2.6292
chr11	135086622	74741099	0.5533	3.2329
chr12	133275309	69619629	0.5224	3.101
chr13	114364328	26477968	0.2315	2.1314
chr14	107043718	62499836	0.5839	3.8374
chr15	101991189	56468253	0.5537	3.6425
chr16	90338345	79177884	0.8765	4.8739
chr17	83257441	72975700	0.8765	4.0097
chr18	80373285	31160801	0.3877	3.2369

chr19	58617616	82121975	1.401	5.3093
chr20	64444167	40172391	0.6234	3.5245
chr21	46709983	12826154	0.2746	2.1871
chr22	50818468	42787180	0.842	4.4979
chrX	156040895	36429170	0.2335	1.7541
chrY	57227415	135290	0.0024	0.0887
chrM	16569	83444	5.0362	2.9687
chr1_KI270706v1_random	175055	34767	0.1986	1.2348
chr1_KI270707v1_random	32032	2501	0.0781	0.3376
chr1_KI270708v1_random	127682	55972	0.4384	2.158
chr1_KI270709v1_random	66860	33257	0.4974	1.4603
chr1_KI270710v1_random	40176	1617	0.0402	0.2369
chr1_KI270711v1_random	42210	286374	6.7845	20.9493
chr1_KI270712v1_random	176043	50289	0.2857	1.9696
chr1_KI270713v1_random	40745	102572	2.5174	9.0521
chr1_KI270714v1_random	41717	65824	1.5779	5.3823
chr2_KI270715v1_random	161471	2874	0.0178	0.1474
chr2_KI270716v1_random	153799	2914	0.0189	0.1638
chr3_GL000221v1_random	155397	36342	0.2339	1.6602
chr4_GL000008v2_random	209709	38392	0.1831	0.9646
chr5_GL000208v1_random	92689	2331	0.0251	0.1737
chr9_KI270717v1_random	40062	14350	0.3582	2.8771
chr9_KI270718v1_random	38054	12765	0.3354	2.0004
chr9_KI270719v1_random	176845	20417	0.1155	0.7864
chr9_KI270720v1_random	39050	23091	0.5913	4.2693
chr11_KI270721v1_random	100316	37135	0.3702	1.6078
chr14_GL000009v2_random	201709	42361	0.21	1.0919
chr14_GL000225v1_random	211173	70900	0.3357	1.1371
chr14_KI270722v1_random	194050	66065	0.3405	2.082
chr14_GL000194v1_random	191469	54312	0.2837	1.8019
chr14_KI270723v1_random	38115	10613	0.2784	0.8804
chr14_KI270724v1_random	39555	15154	0.3831	1.3294
chr14_KI270725v1_random	172810	32780	0.1897	2.3868
chr14_KI270726v1_random	43739	3492	0.0798	0.5491
chr15_KI270727v1_random	448248	74406	0.166	1.1996
chr16_KI270728v1_random	1872759	721057	0.385	2.8688
chr17_GL000205v2_random	185591	74741	0.4027	3.3866
chr17_KI270729v1_random	280839	21173	0.0754	0.5055
chr17_KI270730v1_random	112551	21798	0.1937	0.8159
chr22_KI270731v1_random	150754	93120	0.6177	3.8729
chr22_KI270732v1_random	41543	10776	0.2594	1.9655
chr22_KI270733v1_random	179772	471803	2.6245	14.0055

chr22_KI270734v1_random	165050	76406	0.4629	1.811
chr22_KI270735v1_random	42811	8815	0.2059	1.0238
chr22_KI270736v1_random	181920	21995	0.1209	0.4521
chr22_KI270737v1_random	103838	3005	0.0289	0.2226
chr22_KI270738v1_random	99375	1576	0.0159	0.1385
chr22_KI270739v1_random	73985	736	0.0099	0.1262
chrY_KI270740v1_random	37240	0	0	0
chrUn_KI270302v1	2274	250	0.1099	0.4155
chrUn_KI270304v1	2165	0	0	0
chrUn_KI270303v1	1942	0	0	0
chrUn_KI270305v1	1472	0	0	0
chrUn_KI270322v1	21476	125	0.0058	0.0761
chrUn_KI270320v1	4416	125	0.0283	0.1658
chrUn_KI270310v1	1201	732	0.6095	0.9005
chrUn_KI270316v1	1444	0	0	0
chrUn_KI270315v1	2276	0	0	0
chrUn_KI270312v1	998	0	0	0
chrUn_KI270311v1	12399	125	0.0101	0.0999
chrUn_KI270317v1	37690	0	0	0
chrUn_KI270412v1	1179	125	0.106	0.3079
chrUn_KI270411v1	2646	0	0	0
chrUn_KI270414v1	2489	0	0	0
chrUn_KI270419v1	1029	0	0	0
chrUn_KI270418v1	2145	250	0.1166	0.3209
chrUn_KI270420v1	2321	0	0	0
chrUn_KI270424v1	2140	234	0.1093	0.4547
chrUn_KI270417v1	2043	0	0	0
chrUn_KI270422v1	1445	0	0	0
chrUn_KI270423v1	981	250	0.2548	0.601
chrUn_KI270425v1	1884	0	0	0
chrUn_KI270429v1	1361	0	0	0
chrUn_KI270442v1	392061	65808	0.1679	1.1324
chrUn_KI270466v1	1233	2497	2.0251	2.3567
chrUn_KI270465v1	1774	375	0.2114	0.4376
chrUn_KI270467v1	3920	7241	1.8472	2.3373
chrUn_KI270435v1	92983	2948	0.0317	0.281
chrUn_KI270438v1	112505	78825	0.7006	3.4674
chrUn_KI270468v1	4055	250	0.0617	0.3363
chrUn_KI270510v1	2415	250	0.1035	0.3381
chrUn_KI270509v1	2318	0	0	0
chrUn_KI270518v1	2186	0	0	0
chrUn_KI270508v1	1951	0	0	0

chrUn_KI270516v1	1300	696	0.5354	0.8473
chrUn_KI270512v1	22689	800	0.0353	0.2071
chrUn_KI270519v1	138126	3631	0.0263	0.2
chrUn_KI270522v1	5674	251	0.0442	0.2356
chrUn_KI270511v1	8127	744	0.0915	0.4054
chrUn_KI270515v1	6361	875	0.1376	0.4308
chrUn_KI270507v1	5353	625	0.1168	0.3788
chrUn_KI270517v1	3253	105	0.0323	0.1767
chrUn_KI270529v1	1899	0	0	0
chrUn_KI270528v1	2983	0	0	0
chrUn_KI270530v1	2168	0	0	0
chrUn_KI270539v1	993	0	0	0
chrUn_KI270538v1	91309	3158	0.0346	0.2118
chrUn_KI270544v1	1202	0	0	0
chrUn_KI270548v1	1599	0	0	0
chrUn_KI270583v1	1400	125	0.0893	0.2852
chrUn_KI270587v1	2969	0	0	0
chrUn_KI270580v1	1553	125	0.0805	0.272
chrUn_KI270581v1	7046	609	0.0864	0.3618
chrUn_KI270579v1	31033	597	0.0192	0.1617
chrUn_KI270589v1	44474	2270	0.051	0.3125
chrUn_KI270590v1	4685	250	0.0534	0.2248
chrUn_KI270584v1	4513	375	0.0831	0.3566
chrUn_KI270582v1	6504	250	0.0384	0.2399
chrUn_KI270588v1	6158	250	0.0406	0.2207
chrUn_KI270593v1	3041	103	0.0339	0.18
chrUn_KI270591v1	5796	372	0.0642	0.3151
chrUn_KI270330v1	1652	9493	5.7464	12.3605
chrUn_KI270329v1	1040	125	0.1202	0.3252
chrUn_KI270334v1	1368	0	0	0
chrUn_KI270333v1	2699	1765	0.6539	1.0611
chrUn_KI270335v1	1048	125	0.1193	0.3241
chrUn_KI270338v1	1428	241	0.1688	0.3745
chrUn_KI270340v1	1428	375	0.2626	0.5777
chrUn_KI270336v1	1026	125	0.1218	0.3271
chrUn_KI270337v1	1121	1456	1.2988	1.4494
chrUn_KI270363v1	1803	0	0	0
chrUn_KI270364v1	2855	125	0.0438	0.2046
chrUn_KI270362v1	3530	0	0	0
chrUn_KI270366v1	8320	125	0.015	0.1216
chrUn_KI270378v1	1048	0	0	0
chrUn_KI270379v1	1045	0	0	0

chrUn_KI270389v1	1298	125	0.0963	0.295
chrUn_KI270390v1	2387	0	0	0
chrUn_KI270387v1	1537	113	0.0735	0.261
chrUn_KI270395v1	1143	125	0.1094	0.3121
chrUn_KI270396v1	1880	0	0	0
chrUn_KI270388v1	1216	0	0	0
chrUn_KI270394v1	970	0	0	0
chrUn_KI270386v1	1788	0	0	0
chrUn_KI270391v1	1484	0	0	0
chrUn_KI270383v1	1750	0	0	0
chrUn_KI270393v1	1308	0	0	0
chrUn_KI270384v1	1658	0	0	0
chrUn_KI270392v1	971	0	0	0
chrUn_KI270381v1	1930	0	0	0
chrUn_KI270385v1	990	0	0	0
chrUn_KI270382v1	4215	250	0.0593	0.2655
chrUn_KI270376v1	1136	125	0.11	0.3129
chrUn_KI270374v1	2656	0	0	0
chrUn_KI270372v1	1650	0	0	0
chrUn_KI270373v1	1451	0	0	0
chrUn_KI270375v1	2378	114	0.0479	0.2136
chrUn_KI270371v1	2805	0	0	0
chrUn_KI270448v1	7992	375	0.0469	0.2608
chrUn_KI270521v1	7642	250	0.0327	0.2388
chrUn_GL000195v1	182896	24854	0.1359	0.761
chrUn_GL000219v1	179198	57779	0.3224	1.8264
chrUn_GL000220v1	161802	461419	2.8518	9.0205
chrUn_GL000224v1	179693	108244	0.6024	2.3743
chrUn_KI270741v1	157432	25278	0.1606	0.8911
chrUn_GL000226v1	15008	3903	0.2601	0.6405
chrUn_GL000213v1	164239	24891	0.1516	0.9907
chrUn_KI270743v1	210658	11688	0.0555	0.338
chrUn_KI270744v1	168472	68548	0.4069	2.3016
chrUn_KI270745v1	41891	33887	0.8089	3.8565
chrUn_KI270746v1	66486	51353	0.7724	4.9274
chrUn_KI270747v1	198735	18040	0.0908	1.3843
chrUn_KI270748v1	93321	2843	0.0305	0.2146
chrUn_KI270749v1	158759	11864	0.0747	0.581
chrUn_KI270750v1	148850	15755	0.1058	1.0872
chrUn_KI270751v1	150742	30124	0.1998	1.2405
chrUn_KI270752v1	27745	33	0.0012	0.0345
chrUn_KI270753v1	62944	708	0.0112	0.1212

chrUn_KI270754v1	40191	4974	0.1238	0.5442
chrUn_KI270755v1	36723	750	0.0204	0.1733
chrUn_KI270756v1	79590	7685	0.0966	0.4153
chrUn_KI270757v1	71251	2507	0.0352	0.2273
chrUn_GL000214v1	137718	36636	0.266	1.2466
chrUn_KI270742v1	186739	40865	0.2188	1.2192
chrUn_GL000216v2	176608	49035	0.2776	1.0438
chrUn_GL000218v1	161147	130977	0.8128	7.2323
chr1_KI270762v1_alt	354444	218689	0.617	2.2742
chr1_KI270766v1_alt	256271	223941	0.8738	3.5163
chr1_KI270760v1_alt	109528	6022	0.055	0.456
chr1_KI270765v1_alt	185285	33325	0.1799	2.0771
chr1_GL383518v1_alt	182439	148917	0.8163	2.5208
chr1_GL383519v1_alt	110268	240054	2.177	4.4692
chr1_GL383520v2_alt	366580	62095	0.1694	1.3388
chr1_KI270764v1_alt	50258	1254	0.025	0.1889
chr1_KI270763v1_alt	911658	178561	0.1959	1.3983
chr1_KI270759v1_alt	425601	101312	0.238	1.4237
chr1_KI270761v1_alt	165834	68989	0.416	2.2552
chr2_KI270770v1_alt	136240	2574	0.0189	0.1738
chr2_KI270773v1_alt	70887	21110	0.2978	1.5322
chr2_KI270774v1_alt	223625	39884	0.1784	1.2098
chr2_KI270769v1_alt	120616	51870	0.43	2.0425
chr2_GL383521v1_alt	143390	5444	0.038	0.3546
chr2_KI270772v1_alt	133041	28153	0.2116	1.4528
chr2_KI270775v1_alt	138019	1729	0.0125	0.133
chr2_KI270771v1_alt	110395	990	0.009	0.1506
chr2_KI270768v1_alt	110099	9040	0.0821	0.5598
chr2_GL582966v2_alt	96131	41482	0.4315	1.7993
chr2_GL383522v1_alt	123821	96491	0.7793	2.753
chr2_KI270776v1_alt	174166	101990	0.5856	2.4297
chr2_KI270767v1_alt	161578	6081	0.0376	0.3397
chr3_JH636055v2_alt	173151	42825	0.2473	1.2983
chr3_KI270783v1_alt	109187	4311	0.0395	0.2409
chr3_KI270780v1_alt	224108	30992	0.1383	0.91
chr3_GL383526v1_alt	180671	35914	0.1988	1.8757
chr3_KI270777v1_alt	173649	133653	0.7697	3.5212
chr3_KI270778v1_alt	248252	2969	0.012	0.1336
chr3_KI270781v1_alt	113034	13242	0.1172	0.7751
chr3_KI270779v1_alt	205312	763173	3.7171	14.6278
chr3_KI270782v1_alt	162429	17608	0.1084	0.7443
chr3_KI270784v1_alt	184404	24499	0.1329	0.7599

chr4_KI270790v1_alt	220246	3602	0.0164	0.1625
chr4_GL383528v1_alt	376187	7037	0.0187	0.1591
chr4_KI270787v1_alt	111943	2186	0.0195	0.1783
chr4_GL000257v2_alt	586476	175570	0.2994	1.7204
chr4_KI270788v1_alt	158965	2835	0.0178	0.1537
chr4_GL383527v1_alt	164536	45472	0.2764	1.4127
chr4_KI270785v1_alt	119912	2828	0.0236	0.1903
chr4_KI270789v1_alt	205944	6327	0.0307	0.2987
chr4_KI270786v1_alt	244096	4029	0.0165	0.2048
chr5_KI270793v1_alt	126136	30872	0.2448	1.5515
chr5_KI270792v1_alt	179043	258680	1.4448	5.7158
chr5_KI270791v1_alt	195710	253777	1.2967	4.655
chr5_GL383532v1_alt	82728	1111	0.0134	0.1343
chr5_GL949742v1_alt	226852	6727	0.0297	0.2416
chr5_KI270794v1_alt	164558	59013	0.3586	1.9584
chr5_GL339449v2_alt	1612928	350644	0.2174	1.2513
chr5_GL383530v1_alt	101241	1625	0.0161	0.1426
chr5_KI270796v1_alt	172708	2622	0.0152	0.1525
chr5_GL383531v1_alt	173459	3596	0.0207	0.1729
chr5_KI270795v1_alt	131892	37900	0.2874	2.1257
chr6_GL000250v2_alt	4672374	722062	0.1545	0.9373
chr6_KI270800v1_alt	175808	10778	0.0613	0.4539
chr6_KI270799v1_alt	152148	2037	0.0134	0.1637
chr6_GL383533v1_alt	124736	2997	0.024	0.1775
chr6_KI270801v1_alt	870480	168511	0.1936	1.3606
chr6_KI270802v1_alt	75005	1857	0.0248	0.2001
chr6_KB021644v2_alt	185823	5626	0.0303	0.2134
chr6_KI270797v1_alt	197536	51607	0.2613	1.4116
chr6_KI270798v1_alt	271782	95124	0.35	1.9731
chr7_KI270804v1_alt	157952	13406	0.0849	0.8943
chr7_KI270809v1_alt	209586	136736	0.6524	3.3123
chr7_KI270806v1_alt	158166	138945	0.8785	4.3993
chr7_GL383534v2_alt	119183	222638	1.868	5.501
chr7_KI270803v1_alt	1111570	1264337	1.1374	5.0348
chr7_KI270808v1_alt	271455	131433	0.4842	3.378
chr7_KI270807v1_alt	126434	14894	0.1178	0.5176
chr7_KI270805v1_alt	209988	33291	0.1585	0.9093
chr8_KI270818v1_alt	145606	8795	0.0604	0.6127
chr8_KI270812v1_alt	282736	10909	0.0386	0.3948
chr8_KI270811v1_alt	292436	13479	0.0461	0.4691
chr8_KI270821v1_alt	985506	140691	0.1428	0.9114
chr8_KI270813v1_alt	300230	279334	0.9304	3.9424

chr8_KI270822v1_alt	624492	89274	0.143	0.958
chr8_KI270814v1_alt	141812	9288	0.0655	0.35
chr8_KI270810v1_alt	374415	16903	0.0451	0.257
chr8_KI270819v1_alt	133535	155244	1.1626	5.0702
chr8_KI270820v1_alt	36640	11946	0.326	1.21
chr8_KI270817v1_alt	158983	114731	0.7217	3.3209
chr8_KI270816v1_alt	305841	1021972	3.3415	8.0924
chr8_KI270815v1_alt	132244	83450	0.631	3.108
chr9_GL383539v1_alt	162988	4250	0.0261	0.216
chr9_GL383540v1_alt	71551	43644	0.61	1.9399
chr9_GL383541v1_alt	171286	35118	0.205	1.455
chr9_GL383542v1_alt	60032	9878	0.1645	0.7592
chr9_KI270823v1_alt	439082	61837	0.1408	1.1681
chr10_GL383545v1_alt	179254	29858	0.1666	1.0203
chr10_KI270824v1_alt	181496	23170	0.1277	1.0299
chr10_GL383546v1_alt	309802	116030	0.3745	2.1586
chr10_KI270825v1_alt	188315	64758	0.3439	1.4838
chr11_KI270832v1_alt	210133	245392	1.1678	3.138
chr11_KI270830v1_alt	177092	38473	0.2172	1.1829
chr11_KI270831v1_alt	296895	110862	0.3734	1.4808
chr11_KI270829v1_alt	204059	56770	0.2782	1.6392
chr11_GL383547v1_alt	154407	2474	0.016	0.1412
chr11_JH159136v1_alt	200998	160299	0.7975	3.6096
chr11_JH159137v1_alt	191409	51133	0.2671	1.6897
chr11_KI270827v1_alt	67707	4365	0.0645	0.3349
chr11_KI270826v1_alt	186169	3749	0.0201	0.1699
chr12_GL877875v1_alt	167313	84071	0.5025	2.2391
chr12_GL877876v1_alt	408271	225996	0.5535	2.5858
chr12_KI270837v1_alt	40090	37964	0.947	4.3162
chr12_GL383549v1_alt	120804	3078	0.0255	0.192
chr12_KI270835v1_alt	238139	96206	0.404	2.05
chr12_GL383550v2_alt	169178	13937	0.0824	0.5602
chr12_GL383552v1_alt	138655	3807	0.0275	0.3898
chr12_GL383553v2_alt	152874	35839	0.2344	1.2924
chr12_KI270834v1_alt	119498	102838	0.8606	2.1486
chr12_GL383551v1_alt	184319	3765	0.0204	0.1736
chr12_KI270833v1_alt	76061	36628	0.4816	1.7703
chr12_KI270836v1_alt	56134	1794	0.032	0.296
chr13_KI270840v1_alt	191684	16140	0.0842	0.5042
chr13_KI270839v1_alt	180306	12798	0.071	0.6106
chr13_KI270843v1_alt	103832	1319	0.0127	0.1368
chr13_KI270841v1_alt	169134	1460	0.0086	0.1203

chr13_KI270838v1_alt	306913	27204	0.0886	0.7179
chr13_KI270842v1_alt	37287	7246	0.1943	1.1943
chr14_KI270844v1_alt	322166	262813	0.8158	3.8482
chr14_KI270847v1_alt	1511111	1442682	0.9547	4.1273
chr14_KI270845v1_alt	180703	62515	0.346	1.5373
chr14_KI270846v1_alt	1351393	731795	0.5415	2.8419
chr15_KI270852v1_alt	478999	75066	0.1567	1.0968
chr15_KI270851v1_alt	263054	130901	0.4976	2.0756
chr15_KI270848v1_alt	327382	121848	0.3722	1.6416
chr15_GL383554v1_alt	296527	113214	0.3818	1.8227
chr15_KI270849v1_alt	244917	59668	0.2436	1.3983
chr15_GL383555v2_alt	388773	87961	0.2263	1.4267
chr15_KI270850v1_alt	430880	196934	0.4571	1.9173
chr16_KI270854v1_alt	134193	72961	0.5437	2.2998
chr16_KI270856v1_alt	63982	21688	0.339	2.1356
chr16_KI270855v1_alt	232857	220253	0.9459	2.8237
chr16_KI270853v1_alt	2659700	2332518	0.877	4.3244
chr16_GL383556v1_alt	192462	80978	0.4207	1.774
chr16_GL383557v1_alt	89672	40695	0.4538	1.7237
chr17_GL383563v3_alt	375691	44806	0.1193	0.7746
chr17_KI270862v1_alt	391357	161998	0.4139	2.0176
chr17_KI270861v1_alt	196688	289095	1.4698	3.7417
chr17_KI270857v1_alt	2877074	1158914	0.4028	1.7023
chr17_JH159146v1_alt	278131	279783	1.0059	3.8489
chr17_JH159147v1_alt	70345	45153	0.6419	2.6678
chr17_GL383564v2_alt	133151	74282	0.5579	1.7075
chr17_GL000258v2_alt	1821992	226548	0.1243	0.8338
chr17_GL383565v1_alt	223995	8163	0.0364	0.2259
chr17_KI270858v1_alt	235827	11447	0.0485	0.3644
chr17_KI270859v1_alt	108763	15837	0.1456	1.1579
chr17_GL383566v1_alt	90219	15042	0.1667	1.2222
chr17_KI270860v1_alt	178921	71194	0.3979	1.9247
chr18_KI270864v1_alt	111737	3536	0.0316	0.2745
chr18_GL383567v1_alt	289831	46976	0.1621	0.9572
chr18_GL383570v1_alt	164789	4051	0.0246	0.2002
chr18_GL383571v1_alt	198278	22243	0.1122	0.7003
chr18_GL383568v1_alt	104552	1210	0.0116	0.1352
chr18_GL383569v1_alt	167950	876	0.0052	0.0885
chr18_GL383572v1_alt	159547	15772	0.0989	0.7737
chr18_KI270863v1_alt	167999	25823	0.1537	0.9749
chr19_KI270868v1_alt	61734	52165	0.845	2.6669
chr19_KI270865v1_alt	52969	51337	0.9692	2.7484

chr19_GL383573v1_alt	385657	167911	0.4354	2.267
chr19_GL383575v2_alt	170222	115093	0.6761	3.1209
chr19_GL383576v1_alt	188024	70004	0.3723	2.6038
chr19_GL383574v1_alt	155864	82971	0.5323	3.1891
chr19_KI270866v1_alt	43156	51512	1.1936	3.5145
chr19_KI270867v1_alt	233762	57368	0.2454	1.2894
chr19_GL949746v1_alt	987716	393465	0.3984	1.6328
chr20_GL383577v2_alt	128386	6388	0.0498	0.2999
chr20_KI270869v1_alt	118774	91899	0.7737	3.1626
chr20_KI270871v1_alt	58661	36982	0.6304	2.4502
chr20_KI270870v1_alt	183433	150564	0.8208	3.181
chr21_GL383578v2_alt	63917	442	0.0069	0.1139
chr21_KI270874v1_alt	166743	4852	0.0291	0.1928
chr21_KI270873v1_alt	143900	12358	0.0859	0.6618
chr21_GL383579v2_alt	201197	2237	0.0111	0.1233
chr21_GL383580v2_alt	74653	34369	0.4604	1.8031
chr21_GL383581v2_alt	116689	63014	0.54	2.005
chr21_KI270872v1_alt	82692	143643	1.7371	6.3499
chr22_KI270875v1_alt	259914	124805	0.4802	1.9413
chr22_KI270878v1_alt	186262	88019	0.4726	3.0636
chr22_KI270879v1_alt	304135	462359	1.5202	4.7557
chr22_KI270876v1_alt	263666	117752	0.4466	2.1682
chr22_KI270877v1_alt	101331	56477	0.5574	2.3544
chr22_GL383583v2_alt	96924	24447	0.2522	1.3817
chr22_GL383582v2_alt	162811	119803	0.7358	2.6379
chrX_KI270880v1_alt	284869	42067	0.1477	0.8439
chrX_KI270881v1_alt	144206	15593	0.1081	0.7836
chr19_KI270882v1_alt	248807	10004	0.0402	0.293
chr19_KI270883v1_alt	170399	19717	0.1157	0.5513
chr19_KI270884v1_alt	157053	8691	0.0553	0.3557
chr19_KI270885v1_alt	171027	18620	0.1089	0.5239
chr19_KI270886v1_alt	204239	9305	0.0456	0.3544
chr19_KI270887v1_alt	209512	15110	0.0721	0.4171
chr19_KI270888v1_alt	155532	12376	0.0796	0.4905
chr19_KI270889v1_alt	170698	15731	0.0922	0.4928
chr19_KI270890v1_alt	184499	5434	0.0295	0.2512
chr19_KI270891v1_alt	170680	13274	0.0778	0.423
chr1_KI270892v1_alt	162212	69160	0.4264	2.2824
chr2_KI270894v1_alt	214158	67511	0.3152	2.6681
chr2_KI270893v1_alt	161218	7480	0.0464	0.4495
chr3_KI270895v1_alt	162896	127120	0.7804	3.1594
chr4_KI270896v1_alt	378547	41859	0.1106	0.9684

chr5_KI270897v1_alt	1144418	211766	0.185	1.0828
chr5_KI270898v1_alt	130957	35308	0.2696	1.895
chr6_GL000251v2_alt	4795265	2224826	0.464	1.7751
chr7_KI270899v1_alt	190869	22022	0.1154	0.9792
chr8_KI270901v1_alt	136959	3109	0.0227	0.1745
chr8_KI270900v1_alt	318687	49903	0.1566	1.0097
chr11_KI270902v1_alt	106711	264435	2.478	8.2805
chr11_KI270903v1_alt	214625	53429	0.2489	1.1694
chr12_KI270904v1_alt	572349	298979	0.5224	2.8933
chr15_KI270906v1_alt	196384	49446	0.2518	1.2445
chr15_KI270905v1_alt	5161414	1301647	0.2522	1.4935
chr17_KI270907v1_alt	137721	13467	0.0978	0.5906
chr17_KI270910v1_alt	157099	54648	0.3479	1.2926
chr17_KI270909v1_alt	325800	79928	0.2453	1.3161
chr17_JH159148v1_alt	88070	21967	0.2494	1.3094
chr17_KI270908v1_alt	1423190	472165	0.3318	1.8452
chr18_KI270912v1_alt	174061	2584	0.0148	0.1512
chr18_KI270911v1_alt	157710	12495	0.0792	0.5191
chr19_GL949747v2_alt	729520	176052	0.2413	1.0582
chr22_KB663609v1_alt	74013	84727	1.1448	3.7427
chrX_KI270913v1_alt	274009	63122	0.2304	1.5967
chr19_KI270914v1_alt	205194	19624	0.0956	0.5534
chr19_KI270915v1_alt	170665	15804	0.0926	0.4916
chr19_KI270916v1_alt	184516	5561	0.0301	0.2782
chr19_KI270917v1_alt	190932	17007	0.0891	0.4581
chr19_KI270918v1_alt	123111	9795	0.0796	0.4214
chr19_KI270919v1_alt	170701	26371	0.1545	0.7115
chr19_KI270920v1_alt	198005	41972	0.212	1.0467
chr19_KI270921v1_alt	282224	16668	0.0591	0.3933
chr19_KI270922v1_alt	187935	22308	0.1187	0.5823
chr19_KI270923v1_alt	189352	26652	0.1408	0.6865
chr3_KI270924v1_alt	166540	285851	1.7164	6.5852
chr4_KI270925v1_alt	555799	23344	0.042	0.4781
chr6_GL000252v2_alt	4604811	1602398	0.348	1.4112
chr8_KI270926v1_alt	229282	68031	0.2967	1.4061
chr11_KI270927v1_alt	218612	243774	1.1151	3.5685
chr19_GL949748v2_alt	1064304	112712	0.1059	0.5896
chr22_KI270928v1_alt	176103	157664	0.8953	3.1616
chr19_KI270929v1_alt	186203	24700	0.1327	0.6645
chr19_KI270930v1_alt	200773	14035	0.0699	0.4388
chr19_KI270931v1_alt	170148	16635	0.0978	0.55
chr19_KI270932v1_alt	215732	19991	0.0927	0.5098

chr19_KI270933v1_alt	170537	44504	0.261	1.3104
chr19_GL000209v2_alt	177381	9060	0.0511	0.334
chr3_KI270934v1_alt	163458	116868	0.715	2.8277
chr6_GL000253v2_alt	4677643	1221109	0.2611	1.1675
chr19_GL949749v2_alt	1091841	106933	0.0979	0.5851
chr3_KI270935v1_alt	197351	86543	0.4385	2.1985
chr6_GL000254v2_alt	4827813	1402255	0.2905	1.2158
chr19_GL949750v2_alt	1066390	93074	0.0873	0.5272
chr3_KI270936v1_alt	164170	119224	0.7262	3.3723
chr6_GL000255v2_alt	4606388	1590046	0.3452	1.4123
chr19_GL949751v2_alt	1002683	108871	0.1086	0.6061
chr3_KI270937v1_alt	165607	119809	0.7235	2.9786
chr6_GL000256v2_alt	4929269	1420792	0.2882	1.2937
chr19_GL949752v1_alt	987100	419594	0.4251	1.7819
chr6_KI270758v1_alt	76752	7348	0.0957	0.6426
chr19_GL949753v2_alt	796479	271736	0.3412	1.5983
chr19_KI270938v1_alt	1066800	424272	0.3977	1.5726
chrEBV	171823	722	0.0042	0.0773
chrUn_KN707606v1_decoy	2200	0	0	0
chrUn_KN707607v1_decoy	3033	1500	0.4946	1.5457
chrUn_KN707608v1_decoy	3112	7089	2.278	4.8331
chrUn_KN707609v1_decoy	1642	2791	1.6998	3.9446
chrUn_KN707610v1_decoy	1393	250	0.1795	0.3837
chrUn_KN707611v1_decoy	1103	0	0	0
chrUn_KN707612v1_decoy	1039	125	0.1203	0.3253
chrUn_KN707613v1_decoy	1619	482	0.2977	0.6131
chrUn_KN707614v1_decoy	3122	750	0.2402	0.9453
chrUn_KN707615v1_decoy	1934	0	0	0
chrUn_KN707616v1_decoy	3111	750	0.2411	0.6104
chrUn_KN707617v1_decoy	2545	0	0	0
chrUn_KN707618v1_decoy	2295	0	0	0
chrUn_KN707619v1_decoy	1551	0	0	0
chrUn_KN707620v1_decoy	2046	0	0	0
chrUn_KN707621v1_decoy	1222	0	0	0
chrUn_KN707622v1_decoy	1535	0	0	0
chrUn_KN707623v1_decoy	3784	500	0.1321	0.4344
chrUn_KN707624v1_decoy	1329	0	0	0
chrUn_KN707625v1_decoy	1238	0	0	0
chrUn_KN707626v1_decoy	5623	3216	0.5719	1.4625
chrUn_KN707627v1_decoy	5821	0	0	0
chrUn_KN707628v1_decoy	2960	0	0	0
chrUn_KN707629v1_decoy	1848	0	0	0

chrUn_KN707630v1_decoy	2315	0	0	0
chrUn_KN707631v1_decoy	1945	0	0	0
chrUn_KN707632v1_decoy	1424	0	0	0
chrUn_KN707633v1_decoy	1274	512	0.4019	0.691
chrUn_KN707634v1_decoy	1007	0	0	0
chrUn_KN707635v1_decoy	1414	0	0	0
chrUn_KN707636v1_decoy	1725	250	0.1449	0.479
chrUn_KN707637v1_decoy	5354	625	0.1167	0.4283
chrUn_KN707638v1_decoy	2189	370	0.169	0.4185
chrUn_KN707639v1_decoy	1294	2085	1.6113	2.4885
chrUn_KN707640v1_decoy	1831	0	0	0
chrUn_KN707641v1_decoy	1647	1235	0.7498	2.0514
chrUn_KN707642v1_decoy	2943	334	0.1135	0.3751
chrUn_KN707643v1_decoy	2857	853	0.2986	0.7664
chrUn_KN707644v1_decoy	1030	0	0	0
chrUn_KN707645v1_decoy	1070	250	0.2336	0.6262
chrUn_KN707646v1_decoy	1735	250	0.1441	0.4955
chrUn_KN707647v1_decoy	1982	250	0.1261	0.332
chrUn_KN707648v1_decoy	1564	0	0	0
chrUn_KN707649v1_decoy	1775	1996	1.1245	2.2252
chrUn_KN707650v1_decoy	1540	115	0.0747	0.2629
chrUn_KN707651v1_decoy	2013	125	0.0621	0.2413
chrUn_KN707652v1_decoy	1176	0	0	0
chrUn_KN707653v1_decoy	1890	250	0.1323	0.4222
chrUn_KN707654v1_decoy	3644	0	0	0
chrUn_KN707655v1_decoy	2785	0	0	0
chrUn_KN707656v1_decoy	1017	0	0	0
chrUn_KN707657v1_decoy	1068	0	0	0
chrUn_KN707658v1_decoy	1007	125	0.1241	0.3297
chrUn_KN707659v1_decoy	2605	4334	1.6637	3.6529
chrUn_KN707660v1_decoy	8410	5623	0.6686	1.4666
chrUn_KN707661v1_decoy	5534	2122	0.3834	0.6702
chrUn_KN707662v1_decoy	2173	0	0	0
chrUn_KN707663v1_decoy	1065	0	0	0
chrUn_KN707664v1_decoy	8683	324	0.0373	0.2141
chrUn_KN707665v1_decoy	2670	0	0	0
chrUn_KN707666v1_decoy	2420	0	0	0
chrUn_KN707667v1_decoy	2189	0	0	0
chrUn_KN707668v1_decoy	2093	0	0	0
chrUn_KN707669v1_decoy	1184	0	0	0
chrUn_KN707670v1_decoy	1205	0	0	0
chrUn_KN707671v1_decoy	2786	47	0.0169	0.1288

chrUn_KN707672v1_decoy	2794	0	0	0
chrUn_KN707673v1_decoy	19544	990	0.0507	0.3028
chrUn_KN707674v1_decoy	2848	0	0	0
chrUn_KN707675v1_decoy	10556	250	0.0237	0.1903
chrUn_KN707676v1_decoy	9066	0	0	0
chrUn_KN707677v1_decoy	7267	118	0.0162	0.1264
chrUn_KN707678v1_decoy	2462	154	0.0626	0.2422
chrUn_KN707679v1_decoy	1774	508	0.2864	0.6288
chrUn_KN707680v1_decoy	1297	0	0	0
chrUn_KN707681v1_decoy	4379	0	0	0
chrUn_KN707682v1_decoy	4208	0	0	0
chrUn_KN707683v1_decoy	4068	0	0	0
chrUn_KN707684v1_decoy	2940	0	0	0
chrUn_KN707685v1_decoy	3938	250	0.0635	0.3188
chrUn_KN707686v1_decoy	2072	1359	0.6559	1.0162
chrUn_KN707687v1_decoy	1136	122	0.1074	0.3096
chrUn_KN707688v1_decoy	4248	0	0	0
chrUn_KN707689v1_decoy	5823	0	0	0
chrUn_KN707690v1_decoy	3715	125	0.0336	0.1803
chrUn_KN707691v1_decoy	4885	500	0.1024	0.4365
chrUn_KN707692v1_decoy	4813	0	0	0
chrUn_KN707693v1_decoy	2899	125	0.0431	0.2031
chrUn_KN707694v1_decoy	1228	0	0	0
chrUn_KN707695v1_decoy	3119	750	0.2405	0.5512
chrUn_KN707696v1_decoy	3828	0	0	0
chrUn_KN707697v1_decoy	1186	0	0	0
chrUn_KN707698v1_decoy	1908	500	0.2621	0.7015
chrUn_KN707699v1_decoy	2795	0	0	0
chrUn_KN707700v1_decoy	3703	0	0	0
chrUn_KN707701v1_decoy	6722	0	0	0
chrUn_KN707702v1_decoy	6466	250	0.0387	0.2662
chrUn_KN707703v1_decoy	2235	0	0	0
chrUn_KN707704v1_decoy	2871	0	0	0
chrUn_KN707705v1_decoy	4632	0	0	0
chrUn_KN707706v1_decoy	4225	0	0	0
chrUn_KN707707v1_decoy	4339	250	0.0576	0.2798
chrUn_KN707708v1_decoy	2305	250	0.1085	0.4118
chrUn_KN707709v1_decoy	3273	0	0	0
chrUn_KN707710v1_decoy	5701	0	0	0
chrUn_KN707711v1_decoy	4154	0	0	0
chrUn_KN707712v1_decoy	1243	88	0.0708	0.2551
chrUn_KN707713v1_decoy	1308	0	0	0

chrUn_KN707714v1_decoy	2922	0	0	0
chrUn_KN707715v1_decoy	3044	95	0.0312	0.1739
chrUn_KN707716v1_decoy	2888	0	0	0
chrUn_KN707717v1_decoy	1742	0	0	0
chrUn_KN707718v1_decoy	4969	0	0	0
chrUn_KN707719v1_decoy	3270	0	0	0
chrUn_KN707720v1_decoy	6028	476	0.079	0.332
chrUn_KN707721v1_decoy	1105	0	0	0
chrUn_KN707722v1_decoy	2884	0	0	0
chrUn_KN707723v1_decoy	1124	0	0	0
chrUn_KN707724v1_decoy	1454	0	0	0
chrUn_KN707725v1_decoy	2565	0	0	0
chrUn_KN707726v1_decoy	2149	0	0	0
chrUn_KN707727v1_decoy	2630	0	0	0
chrUn_KN707728v1_decoy	14625	0	0	0
chrUn_KN707729v1_decoy	7431	0	0	0
chrUn_KN707730v1_decoy	5776	0	0	0
chrUn_KN707731v1_decoy	4820	0	0	0
chrUn_KN707732v1_decoy	1227	0	0	0
chrUn_KN707733v1_decoy	7503	472	0.0629	0.3192
chrUn_KN707734v1_decoy	9652	250	0.0259	0.2247
chrUn_KN707735v1_decoy	1091	1438	1.3181	2.1673
chrUn_KN707736v1_decoy	2467	250	0.1013	0.3123
chrUn_KN707737v1_decoy	1270	0	0	0
chrUn_KN707738v1_decoy	4365	0	0	0
chrUn_KN707739v1_decoy	4284	0	0	0
chrUn_KN707740v1_decoy	10282	2848	0.277	1.1169
chrUn_KN707741v1_decoy	5601	125	0.0223	0.1477
chrUn_KN707742v1_decoy	4758	125	0.0263	0.1599
chrUn_KN707743v1_decoy	1624	440	0.2709	0.9187
chrUn_KN707744v1_decoy	4024	0	0	0
chrUn_KN707745v1_decoy	1276	0	0	0
chrUn_KN707746v1_decoy	5083	0	0	0
chrUn_KN707747v1_decoy	2075	1485	0.7157	1.2996
chrUn_KN707748v1_decoy	3553	0	0	0
chrUn_KN707749v1_decoy	7010	492	0.0702	0.3159
chrUn_KN707750v1_decoy	4718	250	0.053	0.2826
chrUn_KN707751v1_decoy	3546	125	0.0353	0.1844
chrUn_KN707752v1_decoy	2873	250	0.087	0.4071
chrUn_KN707753v1_decoy	2144	198	0.0924	0.413
chrUn_KN707754v1_decoy	2243	0	0	0
chrUn_KN707755v1_decoy	5343	250	0.0468	0.2112

chrUn_KN707756v1_decoy	4877	246	0.0504	0.2189
chrUn_KN707757v1_decoy	3034	375	0.1236	0.3291
chrUn_KN707758v1_decoy	2826	0	0	0
chrUn_KN707759v1_decoy	1221	0	0	0
chrUn_KN707760v1_decoy	1169	0	0	0
chrUn_KN707761v1_decoy	2319	0	0	0
chrUn_KN707762v1_decoy	3450	1000	0.2899	0.8496
chrUn_KN707763v1_decoy	2674	250	0.0935	0.3672
chrUn_KN707764v1_decoy	3912	0	0	0
chrUn_KN707765v1_decoy	6020	500	0.0831	0.321
chrUn_KN707766v1_decoy	2303	0	0	0
chrUn_KN707767v1_decoy	2552	0	0	0
chrUn_KN707768v1_decoy	3656	500	0.1368	0.4002
chrUn_KN707769v1_decoy	1591	0	0	0
chrUn_KN707770v1_decoy	1209	321	0.2655	0.6442
chrUn_KN707771v1_decoy	3176	375	0.1181	0.3817
chrUn_KN707772v1_decoy	8915	0	0	0
chrUn_KN707773v1_decoy	4902	0	0	0
chrUn_KN707774v1_decoy	3324	0	0	0
chrUn_KN707775v1_decoy	5997	673	0.1122	0.4111
chrUn_KN707776v1_decoy	2618	0	0	0
chrUn_KN707777v1_decoy	10311	0	0	0
chrUn_KN707778v1_decoy	2440	0	0	0
chrUn_KN707779v1_decoy	12444	0	0	0
chrUn_KN707780v1_decoy	5691	750	0.1318	0.4001
chrUn_KN707781v1_decoy	2717	0	0	0
chrUn_KN707782v1_decoy	5277	0	0	0
chrUn_KN707783v1_decoy	4373	0	0	0
chrUn_KN707784v1_decoy	3224	228	0.0707	0.3694
chrUn_KN707785v1_decoy	2631	464	0.1764	0.4726
chrUn_KN707786v1_decoy	5385	0	0	0
chrUn_KN707787v1_decoy	3678	0	0	0
chrUn_KN707788v1_decoy	1412	0	0	0
chrUn_KN707789v1_decoy	1443	0	0	0
chrUn_KN707790v1_decoy	1098	0	0	0
chrUn_KN707791v1_decoy	3240	0	0	0
chrUn_KN707792v1_decoy	1915	250	0.1305	0.4646
chrUn_KN707793v1_decoy	4667	0	0	0
chrUn_KN707794v1_decoy	7219	0	0	0
chrUn_KN707795v1_decoy	3277	250	0.0763	0.3592
chrUn_KN707796v1_decoy	3473	0	0	0
chrUn_KN707797v1_decoy	4243	1232	0.2904	0.7531

chrUn_KN707798v1_decoy	17599	4473	0.2542	0.7154
chrUn_KN707799v1_decoy	5095	0	0	0
chrUn_KN707800v1_decoy	2237	0	0	0
chrUn_KN707801v1_decoy	2901	731	0.252	0.8175
chrUn_KN707802v1_decoy	2666	0	0	0
chrUn_KN707803v1_decoy	5336	0	0	0
chrUn_KN707804v1_decoy	4383	0	0	0
chrUn_KN707805v1_decoy	5446	125	0.023	0.1498
chrUn_KN707806v1_decoy	6252	0	0	0
chrUn_KN707807v1_decoy	4616	0	0	0
chrUn_KN707808v1_decoy	3021	0	0	0
chrUn_KN707809v1_decoy	3667	1126	0.3071	1.0503
chrUn_KN707810v1_decoy	4563	0	0	0
chrUn_KN707811v1_decoy	1120	0	0	0
chrUn_KN707812v1_decoy	3845	0	0	0
chrUn_KN707813v1_decoy	2272	0	0	0
chrUn_KN707814v1_decoy	4764	0	0	0
chrUn_KN707815v1_decoy	5410	70	0.0129	0.113
chrUn_KN707816v1_decoy	7150	0	0	0
chrUn_KN707817v1_decoy	1762	0	0	0
chrUn_KN707818v1_decoy	1207	0	0	0
chrUn_KN707819v1_decoy	1331	0	0	0
chrUn_KN707820v1_decoy	8307	0	0	0
chrUn_KN707821v1_decoy	2276	720	0.3163	1.2259
chrUn_KN707822v1_decoy	2575	352	0.1367	0.3447
chrUn_KN707823v1_decoy	3970	0	0	0
chrUn_KN707824v1_decoy	1352	0	0	0
chrUn_KN707825v1_decoy	3040	250	0.0822	0.3486
chrUn_KN707826v1_decoy	2070	0	0	0
chrUn_KN707827v1_decoy	2913	0	0	0
chrUn_KN707828v1_decoy	2389	10633	4.4508	3.5765
chrUn_KN707829v1_decoy	1835	0	0	0
chrUn_KN707830v1_decoy	4807	0	0	0
chrUn_KN707831v1_decoy	2201	125	0.0568	0.2314
chrUn_KN707832v1_decoy	1265	595	0.4704	0.7229
chrUn_KN707833v1_decoy	1961	0	0	0
chrUn_KN707834v1_decoy	1064	1443	1.3562	2.366
chrUn_KN707835v1_decoy	1932	460	0.2381	0.7073
chrUn_KN707836v1_decoy	3213	0	0	0
chrUn_KN707837v1_decoy	1178	0	0	0
chrUn_KN707838v1_decoy	2926	0	0	0
chrUn_KN707839v1_decoy	1038	0	0	0

chrUn_KN707840v1_decoy	3298	250	0.0758	0.3556
chrUn_KN707841v1_decoy	8992	0	0	0
chrUn_KN707842v1_decoy	6698	839	0.1253	0.4118
chrUn_KN707843v1_decoy	4880	0	0	0
chrUn_KN707844v1_decoy	1766	0	0	0
chrUn_KN707845v1_decoy	3532	0	0	0
chrUn_KN707846v1_decoy	2297	0	0	0
chrUn_KN707847v1_decoy	1234	0	0	0
chrUn_KN707848v1_decoy	1205	633	0.5253	0.8891
chrUn_KN707849v1_decoy	2790	0	0	0
chrUn_KN707850v1_decoy	2006	125	0.0623	0.2417
chrUn_KN707851v1_decoy	4593	0	0	0
chrUn_KN707852v1_decoy	1579	0	0	0
chrUn_KN707853v1_decoy	9597	0	0	0
chrUn_KN707854v1_decoy	10451	94	0.009	0.0944
chrUn_KN707855v1_decoy	3219	0	0	0
chrUn_KN707856v1_decoy	2300	0	0	0
chrUn_KN707857v1_decoy	5985	0	0	0
chrUn_KN707858v1_decoy	2959	0	0	0
chrUn_KN707859v1_decoy	1340	0	0	0
chrUn_KN707860v1_decoy	3148	1588	0.5044	0.8995
chrUn_KN707861v1_decoy	2242	397	0.1771	0.4142
chrUn_KN707862v1_decoy	16513	2843	0.1722	0.6537
chrUn_KN707863v1_decoy	7821	2023	0.2587	0.9921
chrUn_KN707864v1_decoy	2159	248	0.1149	0.4653
chrUn_KN707865v1_decoy	2114	125	0.0591	0.2359
chrUn_KN707866v1_decoy	4109	2129	0.5181	1.1126
chrUn_KN707867v1_decoy	1544	875	0.5667	1.2171
chrUn_KN707868v1_decoy	1005	0	0	0
chrUn_KN707869v1_decoy	8632	0	0	0
chrUn_KN707870v1_decoy	1012	0	0	0
chrUn_KN707871v1_decoy	4728	375	0.0793	0.2702
chrUn_KN707872v1_decoy	2165	0	0	0
chrUn_KN707873v1_decoy	7591	241	0.0317	0.1753
chrUn_KN707874v1_decoy	5202	1375	0.2643	0.7142
chrUn_KN707875v1_decoy	4241	2504	0.5904	1.1087
chrUn_KN707876v1_decoy	4131	538	0.1302	0.3366
chrUn_KN707877v1_decoy	2272	1461	0.643	1.3312
chrUn_KN707878v1_decoy	2085	0	0	0
chrUn_KN707879v1_decoy	4346	2133	0.4908	0.9437
chrUn_KN707880v1_decoy	1208	0	0	0
chrUn_KN707881v1_decoy	4543	60	0.0132	0.1606

chrUn_KN707882v1_decoy	2772	125	0.0451	0.2075
chrUn_KN707883v1_decoy	2490	484	0.1944	0.4838
chrUn_KN707884v1_decoy	4568	831	0.1819	0.701
chrUn_KN707885v1_decoy	1776	0	0	0
chrUn_KN707886v1_decoy	2699	0	0	0
chrUn_KN707887v1_decoy	3534	478	0.1353	0.5139
chrUn_KN707888v1_decoy	2424	125	0.0516	0.2212
chrUn_KN707889v1_decoy	1747	500	0.2862	0.5585
chrUn_KN707890v1_decoy	1088	374	0.3438	0.6326
chrUn_KN707891v1_decoy	1143	0	0	0
chrUn_KN707892v1_decoy	2530	218	0.0862	0.4061
chrUn_KN707893v1_decoy	8049	1409	0.1751	0.5936
chrUn_KN707894v1_decoy	1366	226	0.1654	0.45
chrUn_KN707895v1_decoy	4284	166	0.0387	0.193
chrUn_KN707896v1_decoy	33125	335568	10.1304	12.7224
chrUn_KN707897v1_decoy	2137	448	0.2096	0.5461
chrUn_KN707898v1_decoy	3840	250	0.0651	0.343
chrUn_KN707899v1_decoy	3087	125	0.0405	0.1971
chrUn_KN707900v1_decoy	2041	0	0	0
chrUn_KN707901v1_decoy	3344	500	0.1495	0.4923
chrUn_KN707902v1_decoy	2921	125	0.0428	0.2024
chrUn_KN707903v1_decoy	6581	0	0	0
chrUn_KN707904v1_decoy	3968	0	0	0
chrUn_KN707905v1_decoy	2339	125	0.0534	0.2249
chrUn_KN707906v1_decoy	1243	1490	1.1987	1.7613
chrUn_KN707907v1_decoy	7776	0	0	0
chrUn_KN707908v1_decoy	19837	0	0	0
chrUn_KN707909v1_decoy	1737	125	0.072	0.2584
chrUn_KN707910v1_decoy	1098	662	0.6029	1.3025
chrUn_KN707911v1_decoy	1893	250	0.1321	0.4913
chrUn_KN707912v1_decoy	1281	0	0	0
chrUn_KN707913v1_decoy	1527	250	0.1637	0.399
chrUn_KN707914v1_decoy	2055	0	0	0
chrUn_KN707915v1_decoy	2527	1265	0.5006	0.7709
chrUn_KN707916v1_decoy	3275	250	0.0763	0.3559
chrUn_KN707917v1_decoy	1265	0	0	0
chrUn_KN707918v1_decoy	2623	1625	0.6195	1.5454
chrUn_KN707919v1_decoy	4850	250	0.0515	0.2668
chrUn_KN707920v1_decoy	3584	998	0.2785	0.6598
chrUn_KN707921v1_decoy	2561	0	0	0
chrUn_KN707922v1_decoy	3041	0	0	0
chrUn_KN707923v1_decoy	1409	0	0	0

chrUn_KN707924v1_decoy	4596	0	0	0
chrUn_KN707925v1_decoy	11555	14420	1.2479	4.7722
chrUn_KN707926v1_decoy	1266	250	0.1975	0.4824
chrUn_KN707927v1_decoy	1079	250	0.2317	0.6089
chrUn_KN707928v1_decoy	1087	0	0	0
chrUn_KN707929v1_decoy	1226	0	0	0
chrUn_KN707930v1_decoy	1131	0	0	0
chrUn_KN707931v1_decoy	1199	0	0	0
chrUn_KN707932v1_decoy	1084	0	0	0
chrUn_KN707933v1_decoy	2038	0	0	0
chrUn_KN707934v1_decoy	1070	0	0	0
chrUn_KN707935v1_decoy	1312	0	0	0
chrUn_KN707936v1_decoy	4031	0	0	0
chrUn_KN707937v1_decoy	7445	0	0	0
chrUn_KN707938v1_decoy	1770	0	0	0
chrUn_KN707939v1_decoy	5600	250	0.0446	0.2295
chrUn_KN707940v1_decoy	1882	225	0.1196	0.4137
chrUn_KN707941v1_decoy	1170	510	0.4359	1.4646
chrUn_KN707942v1_decoy	1300	375	0.2885	0.5743
chrUn_KN707943v1_decoy	5325	0	0	0
chrUn_KN707944v1_decoy	2043	0	0	0
chrUn_KN707945v1_decoy	1072	0	0	0
chrUn_KN707946v1_decoy	2463	492	0.1998	0.6944
chrUn_KN707947v1_decoy	1010	0	0	0
chrUn_KN707948v1_decoy	1432	318	0.2221	0.4156
chrUn_KN707949v1_decoy	1162	0	0	0
chrUn_KN707950v1_decoy	1095	0	0	0
chrUn_KN707951v1_decoy	1118	2111	1.8882	2.5363
chrUn_KN707952v1_decoy	1383	576	0.4165	0.7266
chrUn_KN707953v1_decoy	2289	999	0.4364	1.1943
chrUn_KN707954v1_decoy	1648	0	0	0
chrUn_KN707955v1_decoy	2203	0	0	0
chrUn_KN707956v1_decoy	3270	0	0	0
chrUn_KN707957v1_decoy	11499	0	0	0
chrUn_KN707958v1_decoy	2474	0	0	0
chrUn_KN707959v1_decoy	2294	1600	0.6975	1.4893
chrUn_KN707960v1_decoy	1238	750	0.6058	0.9484
chrUn_KN707961v1_decoy	3410	125	0.0367	0.1879
chrUn_KN707962v1_decoy	1523	0	0	0
chrUn_KN707963v1_decoy	62955	23932	0.3801	1.0129
chrUn_KN707964v1_decoy	6282	836	0.1331	0.4346
chrUn_KN707965v1_decoy	3836	1468	0.3827	0.8467

chrUn_KN707966v1_decoy	6486	3817	0.5885	1.4744
chrUn_KN707967v1_decoy	15368	6139	0.3995	0.9466
chrUn_KN707968v1_decoy	9572	5413	0.5655	1.8913
chrUn_KN707969v1_decoy	6413	3836	0.5982	1.235
chrUn_KN707970v1_decoy	4104	944	0.23	0.5156
chrUn_KN707971v1_decoy	12943	9475	0.7321	1.5823
chrUn_KN707972v1_decoy	4650	1323	0.2845	0.68
chrUn_KN707973v1_decoy	3080	125	0.0406	0.1973
chrUn_KN707974v1_decoy	3134	250	0.0798	0.2709
chrUn_KN707975v1_decoy	6211	250	0.0403	0.1965
chrUn_KN707976v1_decoy	1126	0	0	0
chrUn_KN707977v1_decoy	1101	0	0	0
chrUn_KN707978v1_decoy	1101	0	0	0
chrUn_KN707979v1_decoy	2648	228	0.0861	0.4059
chrUn_KN707980v1_decoy	2973	125	0.042	0.2007
chrUn_KN707981v1_decoy	2520	364	0.1444	0.3495
chrUn_KN707982v1_decoy	2318	551	0.2377	0.4782
chrUn_KN707983v1_decoy	2606	250	0.0959	0.3995
chrUn_KN707984v1_decoy	2205	125	0.0567	0.2312
chrUn_KN707985v1_decoy	2929	572	0.1953	0.5563
chrUn_KN707986v1_decoy	3869	250	0.0646	0.3448
chrUn_KN707987v1_decoy	1117	0	0	0
chrUn_KN707988v1_decoy	2960	0	0	0
chrUn_KN707989v1_decoy	1009	0	0	0
chrUn_KN707990v1_decoy	4048	214	0.0529	0.2238
chrUn_KN707991v1_decoy	2193	0	0	0
chrUn_KN707992v1_decoy	1830	0	0	0
chrUn_JTFH01000001v1_decoy	25139	875	0.0348	0.2479
chrUn_JTFH01000002v1_decoy	18532	733	0.0396	0.2545
chrUn_JTFH01000003v1_decoy	15240	569	0.0373	0.2483
chrUn_JTFH01000004v1_decoy	13739	986	0.0718	0.3866
chrUn_JTFH01000005v1_decoy	11297	0	0	0
chrUn_JTFH01000006v1_decoy	10074	0	0	0
chrUn_JTFH01000007v1_decoy	9891	1160	0.1173	0.4261
chrUn_JTFH01000008v1_decoy	9774	10477	1.0719	3.4136
chrUn_JTFH01000009v1_decoy	9727	2464	0.2533	0.8115
chrUn_JTFH01000010v1_decoy	9358	497	0.0531	0.3113
chrUn_JTFH01000011v1_decoy	8920	0	0	0
chrUn_JTFH01000012v1_decoy	8479	0	0	0
chrUn_JTFH01000013v1_decoy	8312	37160	4.4706	6.2134
chrUn_JTFH01000014v1_decoy	8261	0	0	0
chrUn_JTFH01000015v1_decoy	8131	0	0	0

chrUn_JTFH01000016v1_decoy	8051	0	0	0
chrUn_JTFH01000017v1_decoy	7832	10620	1.356	2.4747
chrUn_JTFH01000018v1_decoy	7710	746	0.0968	0.3676
chrUn_JTFH01000019v1_decoy	7702	0	0	0
chrUn_JTFH01000020v1_decoy	7479	1204	0.161	0.4776
chrUn_JTFH01000021v1_decoy	7368	0	0	0
chrUn_JTFH01000022v1_decoy	7162	250	0.0349	0.2037
chrUn_JTFH01000023v1_decoy	7065	1456	0.2061	0.6166
chrUn_JTFH01000024v1_decoy	7019	0	0	0
chrUn_JTFH01000025v1_decoy	6997	49	0.007	0.0834
chrUn_JTFH01000026v1_decoy	6994	125	0.0179	0.1325
chrUn_JTFH01000027v1_decoy	6979	0	0	0
chrUn_JTFH01000028v1_decoy	6797	31	0.0046	0.0674
chrUn_JTFH01000029v1_decoy	6525	21990	3.3701	6.9036
chrUn_JTFH01000030v1_decoy	6246	500	0.0801	0.2714
chrUn_JTFH01000031v1_decoy	5926	3748	0.6325	1.4788
chrUn_JTFH01000032v1_decoy	5914	0	0	0
chrUn_JTFH01000033v1_decoy	5898	0	0	0
chrUn_JTFH01000034v1_decoy	5879	0	0	0
chrUn_JTFH01000035v1_decoy	5834	0	0	0
chrUn_JTFH01000036v1_decoy	5743	0	0	0
chrUn_JTFH01000037v1_decoy	5577	0	0	0
chrUn_JTFH01000038v1_decoy	5413	0	0	0
chrUn_JTFH01000039v1_decoy	5250	0	0	0
chrUn_JTFH01000040v1_decoy	5246	3010	0.5738	2.562
chrUn_JTFH01000041v1_decoy	5118	0	0	0
chrUn_JTFH01000042v1_decoy	5058	0	0	0
chrUn_JTFH01000043v1_decoy	4959	0	0	0
chrUn_JTFH01000044v1_decoy	4853	206	0.0424	0.2883
chrUn_JTFH01000045v1_decoy	4828	2187	0.453	1.3873
chrUn_JTFH01000046v1_decoy	4819	0	0	0
chrUn_JTFH01000047v1_decoy	4809	0	0	0
chrUn_JTFH01000048v1_decoy	4710	250	0.0531	0.3188
chrUn_JTFH01000049v1_decoy	4680	0	0	0
chrUn_JTFH01000050v1_decoy	4645	949	0.2043	0.7223
chrUn_JTFH01000051v1_decoy	4514	0	0	0
chrUn_JTFH01000052v1_decoy	4439	0	0	0
chrUn_JTFH01000053v1_decoy	4416	0	0	0
chrUn_JTFH01000054v1_decoy	4409	17777	4.032	7.2806
chrUn_JTFH01000055v1_decoy	4392	0	0	0
chrUn_JTFH01000056v1_decoy	4359	0	0	0
chrUn_JTFH01000057v1_decoy	4319	0	0	0

chrUn_JTFH01000058v1_decoy	4290	125	0.0291	0.1682
chrUn_JTFH01000059v1_decoy	4242	250	0.0589	0.3076
chrUn_JTFH01000060v1_decoy	4228	500	0.1183	0.4036
chrUn_JTFH01000061v1_decoy	4222	4583	1.0855	2.614
chrUn_JTFH01000062v1_decoy	4216	0	0	0
chrUn_JTFH01000063v1_decoy	4210	333	0.0791	0.2751
chrUn_JTFH01000064v1_decoy	4206	2573	0.6117	1.0948
chrUn_JTFH01000065v1_decoy	4102	0	0	0
chrUn_JTFH01000066v1_decoy	4101	125	0.0305	0.1719
chrUn_JTFH01000067v1_decoy	4083	0	0	0
chrUn_JTFH01000068v1_decoy	3967	750	0.1891	0.5036
chrUn_JTFH01000069v1_decoy	3955	0	0	0
chrUn_JTFH01000070v1_decoy	3945	5581	1.4147	3.3784
chrUn_JTFH01000071v1_decoy	3930	1027	0.2613	0.7456
chrUn_JTFH01000072v1_decoy	3929	1819	0.463	0.8482
chrUn_JTFH01000073v1_decoy	3924	0	0	0
chrUn_JTFH01000074v1_decoy	3919	0	0	0
chrUn_JTFH01000075v1_decoy	3908	0	0	0
chrUn_JTFH01000076v1_decoy	3892	0	0	0
chrUn_JTFH01000077v1_decoy	3890	494	0.127	0.5753
chrUn_JTFH01000078v1_decoy	3859	0	0	0
chrUn_JTFH01000079v1_decoy	3846	0	0	0
chrUn_JTFH01000080v1_decoy	3835	0	0	0
chrUn_JTFH01000081v1_decoy	3830	0	0	0
chrUn_JTFH01000082v1_decoy	3828	0	0	0
chrUn_JTFH01000083v1_decoy	3825	0	0	0
chrUn_JTFH01000084v1_decoy	3821	0	0	0
chrUn_JTFH01000085v1_decoy	3809	0	0	0
chrUn_JTFH01000086v1_decoy	3801	0	0	0
chrUn_JTFH01000087v1_decoy	3799	0	0	0
chrUn_JTFH01000088v1_decoy	3737	0	0	0
chrUn_JTFH01000089v1_decoy	3701	172	0.0465	0.3013
chrUn_JTFH01000090v1_decoy	3698	435	0.1176	0.3222
chrUn_JTFH01000091v1_decoy	3692	0	0	0
chrUn_JTFH01000092v1_decoy	3686	0	0	0
chrUn_JTFH01000093v1_decoy	3677	125	0.034	0.1812
chrUn_JTFH01000094v1_decoy	3664	750	0.2047	0.6626
chrUn_JTFH01000095v1_decoy	3613	0	0	0
chrUn_JTFH01000096v1_decoy	3611	2696	0.7466	1.4828
chrUn_JTFH01000097v1_decoy	3606	0	0	0
chrUn_JTFH01000098v1_decoy	3584	1999	0.5578	1.1123
chrUn_JTFH01000099v1_decoy	3581	125	0.0349	0.1835

chrUn_JTFH01000100v1_decoy	3543	0	0	0
chrUn_JTFH01000101v1_decoy	3528	748	0.212	0.5542
chrUn_JTFH01000102v1_decoy	3527	0	0	0
chrUn_JTFH01000103v1_decoy	3496	0	0	0
chrUn_JTFH01000104v1_decoy	3493	0	0	0
chrUn_JTFH01000105v1_decoy	3484	0	0	0
chrUn_JTFH01000106v1_decoy	3435	250	0.0728	0.3513
chrUn_JTFH01000107v1_decoy	3391	2688	0.7927	1.5625
chrUn_JTFH01000108v1_decoy	3374	0	0	0
chrUn_JTFH01000109v1_decoy	3371	0	0	0
chrUn_JTFH01000110v1_decoy	3361	114	0.0339	0.181
chrUn_JTFH01000111v1_decoy	3351	250	0.0746	0.3563
chrUn_JTFH01000112v1_decoy	3340	1620	0.485	0.9405
chrUn_JTFH01000113v1_decoy	3320	750	0.2259	0.6123
chrUn_JTFH01000114v1_decoy	3282	0	0	0
chrUn_JTFH01000115v1_decoy	3278	0	0	0
chrUn_JTFH01000116v1_decoy	3260	1116	0.3423	0.8848
chrUn_JTFH01000117v1_decoy	3258	2979	0.9144	1.8867
chrUn_JTFH01000118v1_decoy	3253	234	0.0719	0.3724
chrUn_JTFH01000119v1_decoy	3247	12662	3.8996	13.4814
chrUn_JTFH01000120v1_decoy	3230	0	0	0
chrUn_JTFH01000121v1_decoy	3224	0	0	0
chrUn_JTFH01000122v1_decoy	3216	0	0	0
chrUn_JTFH01000123v1_decoy	3212	737	0.2295	0.8196
chrUn_JTFH01000124v1_decoy	3194	500	0.1565	0.4246
chrUn_JTFH01000125v1_decoy	3189	0	0	0
chrUn_JTFH01000126v1_decoy	3177	3716	1.1697	2.3762
chrUn_JTFH01000127v1_decoy	3176	1523	0.4795	1.0639
chrUn_JTFH01000128v1_decoy	3173	0	0	0
chrUn_JTFH01000129v1_decoy	3170	2210	0.6972	1.5357
chrUn_JTFH01000130v1_decoy	3166	0	0	0
chrUn_JTFH01000131v1_decoy	3163	0	0	0
chrUn_JTFH01000132v1_decoy	3143	934	0.2972	0.7874
chrUn_JTFH01000133v1_decoy	3137	930	0.2965	0.7204
chrUn_JTFH01000134v1_decoy	3116	875	0.2808	0.624
chrUn_JTFH01000135v1_decoy	3106	406	0.1307	0.4943
chrUn_JTFH01000136v1_decoy	3093	0	0	0
chrUn_JTFH01000137v1_decoy	3079	4115	1.3365	2.7423
chrUn_JTFH01000138v1_decoy	3053	0	0	0
chrUn_JTFH01000139v1_decoy	3051	0	0	0
chrUn_JTFH01000140v1_decoy	3015	1202	0.3987	1.3227
chrUn_JTFH01000141v1_decoy	3012	0	0	0

chrUn_JTFH01000142v1_decoy	3009	0	0	0
chrUn_JTFH01000143v1_decoy	2997	0	0	0
chrUn_JTFH01000144v1_decoy	2997	1620	0.5405	1.0758
chrUn_JTFH01000145v1_decoy	2983	1869	0.6266	1.5408
chrUn_JTFH01000146v1_decoy	2979	722	0.2424	0.7202
chrUn_JTFH01000147v1_decoy	2967	0	0	0
chrUn_JTFH01000148v1_decoy	2967	1125	0.3792	0.6801
chrUn_JTFH01000149v1_decoy	2966	0	0	0
chrUn_JTFH01000150v1_decoy	2954	750	0.2539	0.5585
chrUn_JTFH01000151v1_decoy	2952	875	0.2964	0.5642
chrUn_JTFH01000152v1_decoy	2934	0	0	0
chrUn_JTFH01000153v1_decoy	2918	1095	0.3753	1.028
chrUn_JTFH01000154v1_decoy	2895	250	0.0864	0.3337
chrUn_JTFH01000155v1_decoy	2887	0	0	0
chrUn_JTFH01000156v1_decoy	2879	517	0.1796	0.8051
chrUn_JTFH01000157v1_decoy	2878	2125	0.7384	1.2716
chrUn_JTFH01000158v1_decoy	2872	0	0	0
chrUn_JTFH01000159v1_decoy	2868	500	0.1743	0.4894
chrUn_JTFH01000160v1_decoy	2866	0	0	0
chrUn_JTFH01000161v1_decoy	2865	0	0	0
chrUn_JTFH01000162v1_decoy	2864	0	0	0
chrUn_JTFH01000163v1_decoy	2859	250	0.0874	0.4012
chrUn_JTFH01000164v1_decoy	2854	374	0.131	0.3374
chrUn_JTFH01000165v1_decoy	2830	125	0.0442	0.2055
chrUn_JTFH01000166v1_decoy	2828	0	0	0
chrUn_JTFH01000167v1_decoy	2824	250	0.0885	0.4062
chrUn_JTFH01000168v1_decoy	2819	0	0	0
chrUn_JTFH01000169v1_decoy	2813	0	0	0
chrUn_JTFH01000170v1_decoy	2809	0	0	0
chrUn_JTFH01000171v1_decoy	2802	0	0	0
chrUn_JTFH01000172v1_decoy	2791	0	0	0
chrUn_JTFH01000173v1_decoy	2783	0	0	0
chrUn_JTFH01000174v1_decoy	2778	250	0.09	0.3996
chrUn_JTFH01000175v1_decoy	2777	0	0	0
chrUn_JTFH01000176v1_decoy	2770	0	0	0
chrUn_JTFH01000177v1_decoy	2769	0	0	0
chrUn_JTFH01000178v1_decoy	2767	355	0.1283	0.4448
chrUn_JTFH01000179v1_decoy	2763	750	0.2714	0.7978
chrUn_JTFH01000180v1_decoy	2745	2516	0.9166	1.4152
chrUn_JTFH01000181v1_decoy	2742	231	0.0842	0.3967
chrUn_JTFH01000182v1_decoy	2736	125	0.0457	0.2088
chrUn_JTFH01000183v1_decoy	2729	0	0	0

chrUn_JTFH01000184v1_decoy	2726	0	0	0
chrUn_JTFH01000185v1_decoy	2719	1245	0.4579	0.7909
chrUn_JTFH01000186v1_decoy	2715	0	0	0
chrUn_JTFH01000187v1_decoy	2708	0	0	0
chrUn_JTFH01000188v1_decoy	2704	0	0	0
chrUn_JTFH01000189v1_decoy	2692	0	0	0
chrUn_JTFH01000190v1_decoy	2691	0	0	0
chrUn_JTFH01000191v1_decoy	2690	2110	0.7844	1.2843
chrUn_JTFH01000192v1_decoy	2687	250	0.093	0.2905
chrUn_JTFH01000193v1_decoy	2677	0	0	0
chrUn_JTFH01000194v1_decoy	2668	0	0	0
chrUn_JTFH01000195v1_decoy	2668	120	0.045	0.2073
chrUn_JTFH01000196v1_decoy	2663	0	0	0
chrUn_JTFH01000197v1_decoy	2655	0	0	0
chrUn_JTFH01000198v1_decoy	2644	0	0	0
chrUn_JTFH01000199v1_decoy	2642	875	0.3312	0.712
chrUn_JTFH01000200v1_decoy	2632	250	0.095	0.2932
chrUn_JTFH01000201v1_decoy	2632	0	0	0
chrUn_JTFH01000202v1_decoy	2628	2000	0.761	2.0349
chrUn_JTFH01000203v1_decoy	2623	0	0	0
chrUn_JTFH01000204v1_decoy	2622	1843	0.7029	2.2027
chrUn_JTFH01000205v1_decoy	2619	1984	0.7575	1.3016
chrUn_JTFH01000206v1_decoy	2605	2059	0.7904	1.5162
chrUn_JTFH01000207v1_decoy	2603	2712	1.0419	1.7487
chrUn_JTFH01000208v1_decoy	2601	0	0	0
chrUn_JTFH01000209v1_decoy	2598	0	0	0
chrUn_JTFH01000210v1_decoy	2597	0	0	0
chrUn_JTFH01000211v1_decoy	2596	0	0	0
chrUn_JTFH01000212v1_decoy	2594	500	0.1928	0.6214
chrUn_JTFH01000213v1_decoy	2586	0	0	0
chrUn_JTFH01000214v1_decoy	2585	0	0	0
chrUn_JTFH01000215v1_decoy	2583	0	0	0
chrUn_JTFH01000216v1_decoy	2578	353	0.1369	0.4546
chrUn_JTFH01000217v1_decoy	2569	367	0.1429	0.4655
chrUn_JTFH01000218v1_decoy	2569	1078	0.4196	1.1843
chrUn_JTFH01000219v1_decoy	2551	0	0	0
chrUn_JTFH01000220v1_decoy	2548	0	0	0
chrUn_JTFH01000221v1_decoy	2548	0	0	0
chrUn_JTFH01000222v1_decoy	2546	863	0.339	0.6331
chrUn_JTFH01000223v1_decoy	2545	674	0.2648	1.2066
chrUn_JTFH01000224v1_decoy	2534	0	0	0
chrUn_JTFH01000225v1_decoy	2533	10876	4.2937	5.3359

chrUn_JTFH01000226v1_decoy	2522	1424	0.5646	1.0278
chrUn_JTFH01000227v1_decoy	2522	500	0.1983	0.4137
chrUn_JTFH01000228v1_decoy	2515	0	0	0
chrUn_JTFH01000229v1_decoy	2513	0	0	0
chrUn_JTFH01000230v1_decoy	2507	0	0	0
chrUn_JTFH01000231v1_decoy	2504	151	0.0603	0.2373
chrUn_JTFH01000232v1_decoy	2497	0	0	0
chrUn_JTFH01000233v1_decoy	2471	0	0	0
chrUn_JTFH01000234v1_decoy	2465	1125	0.4564	1.1471
chrUn_JTFH01000235v1_decoy	2464	0	0	0
chrUn_JTFH01000236v1_decoy	2459	0	0	0
chrUn_JTFH01000237v1_decoy	2457	0	0	0
chrUn_JTFH01000238v1_decoy	2450	0	0	0
chrUn_JTFH01000239v1_decoy	2435	0	0	0
chrUn_JTFH01000240v1_decoy	2434	0	0	0
chrUn_JTFH01000241v1_decoy	2432	1604	0.6595	1.4304
chrUn_JTFH01000242v1_decoy	2427	375	0.1545	0.6351
chrUn_JTFH01000243v1_decoy	2421	0	0	0
chrUn_JTFH01000244v1_decoy	2420	0	0	0
chrUn_JTFH01000245v1_decoy	2414	0	0	0
chrUn_JTFH01000246v1_decoy	2404	0	0	0
chrUn_JTFH01000247v1_decoy	2403	0	0	0
chrUn_JTFH01000248v1_decoy	2402	0	0	0
chrUn_JTFH01000249v1_decoy	2397	500	0.2086	0.7009
chrUn_JTFH01000250v1_decoy	2395	0	0	0
chrUn_JTFH01000251v1_decoy	2394	0	0	0
chrUn_JTFH01000252v1_decoy	2388	0	0	0
chrUn_JTFH01000253v1_decoy	2382	125	0.0525	0.223
chrUn_JTFH01000254v1_decoy	2381	0	0	0
chrUn_JTFH01000255v1_decoy	2380	0	0	0
chrUn_JTFH01000256v1_decoy	2368	0	0	0
chrUn_JTFH01000257v1_decoy	2364	2859	1.2094	1.8453
chrUn_JTFH01000258v1_decoy	2363	2000	0.8464	1.3404
chrUn_JTFH01000259v1_decoy	2348	0	0	0
chrUn_JTFH01000260v1_decoy	2339	625	0.2672	0.5056
chrUn_JTFH01000261v1_decoy	2335	0	0	0
chrUn_JTFH01000262v1_decoy	2332	0	0	0
chrUn_JTFH01000263v1_decoy	2331	1091	0.468	0.9133
chrUn_JTFH01000264v1_decoy	2330	249	0.1069	0.4112
chrUn_JTFH01000265v1_decoy	2323	0	0	0
chrUn_JTFH01000266v1_decoy	2319	218	0.094	0.4233
chrUn_JTFH01000267v1_decoy	2314	482	0.2083	0.5149

chrUn_JTFH01000268v1_decoy	2308	257	0.1114	0.4417
chrUn_JTFH01000269v1_decoy	2306	740	0.3209	0.759
chrUn_JTFH01000270v1_decoy	2296	0	0	0
chrUn_JTFH01000271v1_decoy	2287	3553	1.5536	2.5153
chrUn_JTFH01000272v1_decoy	2279	2364	1.0373	2.1058
chrUn_JTFH01000273v1_decoy	2276	581	0.2553	0.6367
chrUn_JTFH01000274v1_decoy	2273	1852	0.8148	1.139
chrUn_JTFH01000275v1_decoy	2262	0	0	0
chrUn_JTFH01000276v1_decoy	2254	0	0	0
chrUn_JTFH01000277v1_decoy	2252	2120	0.9414	1.3899
chrUn_JTFH01000278v1_decoy	2245	0	0	0
chrUn_JTFH01000279v1_decoy	2239	0	0	0
chrUn_JTFH01000280v1_decoy	2223	617	0.2776	0.9612
chrUn_JTFH01000281v1_decoy	2220	1213	0.5464	1.1836
chrUn_JTFH01000282v1_decoy	2218	250	0.1127	0.405
chrUn_JTFH01000283v1_decoy	2215	0	0	0
chrUn_JTFH01000284v1_decoy	2213	0	0	0
chrUn_JTFH01000285v1_decoy	2203	0	0	0
chrUn_JTFH01000286v1_decoy	2200	0	0	0
chrUn_JTFH01000287v1_decoy	2197	125	0.0569	0.2316
chrUn_JTFH01000288v1_decoy	2194	0	0	0
chrUn_JTFH01000289v1_decoy	2183	0	0	0
chrUn_JTFH01000290v1_decoy	2179	250	0.1147	0.4183
chrUn_JTFH01000291v1_decoy	2177	106	0.0487	0.2152
chrUn_JTFH01000292v1_decoy	2177	248	0.1139	0.4635
chrUn_JTFH01000293v1_decoy	2177	249	0.1144	0.3183
chrUn_JTFH01000294v1_decoy	2168	0	0	0
chrUn_JTFH01000295v1_decoy	2160	0	0	0
chrUn_JTFH01000296v1_decoy	2155	0	0	0
chrUn_JTFH01000297v1_decoy	2144	3605	1.6814	4.2124
chrUn_JTFH01000298v1_decoy	2143	250	0.1167	0.4325
chrUn_JTFH01000299v1_decoy	2136	0	0	0
chrUn_JTFH01000300v1_decoy	2134	0	0	0
chrUn_JTFH01000301v1_decoy	2129	0	0	0
chrUn_JTFH01000302v1_decoy	2128	1460	0.6861	1.7416
chrUn_JTFH01000303v1_decoy	2125	0	0	0
chrUn_JTFH01000304v1_decoy	2125	0	0	0
chrUn_JTFH01000305v1_decoy	2122	0	0	0
chrUn_JTFH01000306v1_decoy	2111	125	0.0592	0.236
chrUn_JTFH01000307v1_decoy	2106	842	0.3998	0.7615
chrUn_JTFH01000308v1_decoy	2094	72	0.0344	0.1822
chrUn_JTFH01000309v1_decoy	2093	0	0	0

chrUn_JTFH01000310v1_decoy	2088	0	0	0
chrUn_JTFH01000311v1_decoy	2086	0	0	0
chrUn_JTFH01000312v1_decoy	2086	250	0.1198	0.4335
chrUn_JTFH01000313v1_decoy	2084	0	0	0
chrUn_JTFH01000314v1_decoy	2080	0	0	0
chrUn_JTFH01000315v1_decoy	2079	750	0.3608	0.8793
chrUn_JTFH01000316v1_decoy	2076	0	0	0
chrUn_JTFH01000317v1_decoy	2071	1592	0.7687	1.1608
chrUn_JTFH01000318v1_decoy	2066	250	0.121	0.4031
chrUn_JTFH01000319v1_decoy	2061	7430	3.605	3.2583
chrUn_JTFH01000320v1_decoy	2055	0	0	0
chrUn_JTFH01000321v1_decoy	2053	0	0	0
chrUn_JTFH01000322v1_decoy	2040	0	0	0
chrUn_JTFH01000323v1_decoy	2036	601	0.2952	0.6306
chrUn_JTFH01000324v1_decoy	2035	1702	0.8364	1.8837
chrUn_JTFH01000325v1_decoy	2034	0	0	0
chrUn_JTFH01000326v1_decoy	2032	625	0.3076	0.7927
chrUn_JTFH01000327v1_decoy	2029	0	0	0
chrUn_JTFH01000328v1_decoy	2025	0	0	0
chrUn_JTFH01000329v1_decoy	2021	427	0.2113	0.7917
chrUn_JTFH01000330v1_decoy	2018	0	0	0
chrUn_JTFH01000331v1_decoy	2015	0	0	0
chrUn_JTFH01000332v1_decoy	2009	501	0.2494	0.5221
chrUn_JTFH01000333v1_decoy	2007	0	0	0
chrUn_JTFH01000334v1_decoy	2005	0	0	0
chrUn_JTFH01000335v1_decoy	2003	0	0	0
chrUn_JTFH01000336v1_decoy	2001	0	0	0
chrUn_JTFH01000337v1_decoy	2001	1369	0.6842	0.7389
chrUn_JTFH01000338v1_decoy	2000	0	0	0
chrUn_JTFH01000339v1_decoy	1996	500	0.2505	0.578
chrUn_JTFH01000340v1_decoy	1992	2288	1.1486	2.2482
chrUn_JTFH01000341v1_decoy	1985	0	0	0
chrUn_JTFH01000342v1_decoy	1981	970	0.4897	0.9692
chrUn_JTFH01000343v1_decoy	1977	2170	1.0976	1.6102
chrUn_JTFH01000344v1_decoy	1971	0	0	0
chrUn_JTFH01000345v1_decoy	1968	587	0.2983	1.0364
chrUn_JTFH01000346v1_decoy	1962	720	0.367	0.6065
chrUn_JTFH01000347v1_decoy	1961	750	0.3825	0.8626
chrUn_JTFH01000348v1_decoy	1960	3527	1.7995	2.4128
chrUn_JTFH01000349v1_decoy	1960	728	0.3714	0.6722
chrUn_JTFH01000350v1_decoy	1954	0	0	0
chrUn_JTFH01000351v1_decoy	1952	800	0.4098	0.6057

chrUn_JTFH01000352v1_decoy	1947	250	0.1284	0.4732
chrUn_JTFH01000353v1_decoy	1944	0	0	0
chrUn_JTFH01000354v1_decoy	1943	111	0.0571	0.2321
chrUn_JTFH01000355v1_decoy	1941	0	0	0
chrUn_JTFH01000356v1_decoy	1937	0	0	0
chrUn_JTFH01000357v1_decoy	1934	0	0	0
chrUn_JTFH01000358v1_decoy	1929	329	0.1706	0.4361
chrUn_JTFH01000359v1_decoy	1924	0	0	0
chrUn_JTFH01000360v1_decoy	1924	308	0.1601	0.4988
chrUn_JTFH01000361v1_decoy	1923	1000	0.52	0.9669
chrUn_JTFH01000362v1_decoy	1921	0	0	0
chrUn_JTFH01000363v1_decoy	1918	0	0	0
chrUn_JTFH01000364v1_decoy	1915	0	0	0
chrUn_JTFH01000365v1_decoy	1915	0	0	0
chrUn_JTFH01000366v1_decoy	1914	1250	0.6531	0.8157
chrUn_JTFH01000367v1_decoy	1912	0	0	0
chrUn_JTFH01000368v1_decoy	1910	0	0	0
chrUn_JTFH01000369v1_decoy	1907	0	0	0
chrUn_JTFH01000370v1_decoy	1904	0	0	0
chrUn_JTFH01000371v1_decoy	1897	250	0.1318	0.3429
chrUn_JTFH01000372v1_decoy	1891	0	0	0
chrUn_JTFH01000373v1_decoy	1890	0	0	0
chrUn_JTFH01000374v1_decoy	1888	250	0.1324	0.3572
chrUn_JTFH01000375v1_decoy	1888	0	0	0
chrUn_JTFH01000376v1_decoy	1885	0	0	0
chrUn_JTFH01000377v1_decoy	1881	0	0	0
chrUn_JTFH01000378v1_decoy	1879	1806	0.9611	1.9063
chrUn_JTFH01000379v1_decoy	1877	0	0	0
chrUn_JTFH01000380v1_decoy	1876	0	0	0
chrUn_JTFH01000381v1_decoy	1876	250	0.1333	0.4147
chrUn_JTFH01000382v1_decoy	1874	0	0	0
chrUn_JTFH01000383v1_decoy	1872	1000	0.5342	0.8897
chrUn_JTFH01000384v1_decoy	1869	0	0	0
chrUn_JTFH01000385v1_decoy	1866	250	0.134	0.4026
chrUn_JTFH01000386v1_decoy	1865	0	0	0
chrUn_JTFH01000387v1_decoy	1865	250	0.134	0.4926
chrUn_JTFH01000388v1_decoy	1865	0	0	0
chrUn_JTFH01000389v1_decoy	1862	0	0	0
chrUn_JTFH01000390v1_decoy	1862	250	0.1343	0.3456
chrUn_JTFH01000391v1_decoy	1859	0	0	0
chrUn_JTFH01000392v1_decoy	1856	500	0.2694	0.6961
chrUn_JTFH01000393v1_decoy	1856	0	0	0

chrUn_JTFH01000394v1_decoy	1854	250	0.1348	0.3447
chrUn_JTFH01000395v1_decoy	1850	375	0.2027	0.5141
chrUn_JTFH01000396v1_decoy	1849	1211	0.6549	1.2695
chrUn_JTFH01000397v1_decoy	1849	1000	0.5408	0.9552
chrUn_JTFH01000398v1_decoy	1847	0	0	0
chrUn_JTFH01000399v1_decoy	1839	118	0.0642	0.245
chrUn_JTFH01000400v1_decoy	1834	250	0.1363	0.443
chrUn_JTFH01000401v1_decoy	1821	0	0	0
chrUn_JTFH01000402v1_decoy	1815	1235	0.6804	1.0444
chrUn_JTFH01000403v1_decoy	1811	1576	0.8702	1.2607
chrUn_JTFH01000404v1_decoy	1808	0	0	0
chrUn_JTFH01000405v1_decoy	1808	0	0	0
chrUn_JTFH01000406v1_decoy	1807	0	0	0
chrUn_JTFH01000407v1_decoy	1807	0	0	0
chrUn_JTFH01000408v1_decoy	1802	0	0	0
chrUn_JTFH01000409v1_decoy	1801	0	0	0
chrUn_JTFH01000410v1_decoy	1800	375	0.2083	0.6695
chrUn_JTFH01000411v1_decoy	1795	0	0	0
chrUn_JTFH01000412v1_decoy	1794	0	0	0
chrUn_JTFH01000413v1_decoy	1792	0	0	0
chrUn_JTFH01000414v1_decoy	1788	0	0	0
chrUn_JTFH01000415v1_decoy	1786	0	0	0
chrUn_JTFH01000416v1_decoy	1782	0	0	0
chrUn_JTFH01000417v1_decoy	1782	250	0.1403	0.4918
chrUn_JTFH01000418v1_decoy	1781	89	0.05	0.2179
chrUn_JTFH01000419v1_decoy	1781	0	0	0
chrUn_JTFH01000420v1_decoy	1779	0	0	0
chrUn_JTFH01000421v1_decoy	1777	0	0	0
chrUn_JTFH01000422v1_decoy	1764	0	0	0
chrUn_JTFH01000423v1_decoy	1762	500	0.2838	0.5875
chrUn_JTFH01000424v1_decoy	1755	37	0.0211	0.1437
chrUn_JTFH01000425v1_decoy	1749	0	0	0
chrUn_JTFH01000426v1_decoy	1747	115	0.0658	0.248
chrUn_JTFH01000427v1_decoy	1746	0	0	0
chrUn_JTFH01000428v1_decoy	1745	0	0	0
chrUn_JTFH01000429v1_decoy	1744	524	0.3005	0.579
chrUn_JTFH01000430v1_decoy	1742	1598	0.9173	1.6274
chrUn_JTFH01000431v1_decoy	1740	0	0	0
chrUn_JTFH01000432v1_decoy	1740	0	0	0
chrUn_JTFH01000433v1_decoy	1736	125	0.072	0.2585
chrUn_JTFH01000434v1_decoy	1735	242	0.1395	0.5094
chrUn_JTFH01000435v1_decoy	1732	0	0	0

chrUn_JTFH01000436v1_decoy	1732	0	0	0
chrUn_JTFH01000437v1_decoy	1730	0	0	0
chrUn_JTFH01000438v1_decoy	1727	0	0	0
chrUn_JTFH01000439v1_decoy	1722	0	0	0
chrUn_JTFH01000440v1_decoy	1718	0	0	0
chrUn_JTFH01000441v1_decoy	1716	0	0	0
chrUn_JTFH01000442v1_decoy	1710	0	0	0
chrUn_JTFH01000443v1_decoy	1708	708	0.4145	0.753
chrUn_JTFH01000444v1_decoy	1707	250	0.1465	0.4945
chrUn_JTFH01000445v1_decoy	1706	375	0.2198	0.5012
chrUn_JTFH01000446v1_decoy	1705	0	0	0
chrUn_JTFH01000447v1_decoy	1704	500	0.2934	0.7175
chrUn_JTFH01000448v1_decoy	1699	0	0	0
chrUn_JTFH01000449v1_decoy	1698	125	0.0736	0.2611
chrUn_JTFH01000450v1_decoy	1697	0	0	0
chrUn_JTFH01000451v1_decoy	1697	678	0.3995	0.6473
chrUn_JTFH01000452v1_decoy	1695	125	0.0737	0.2614
chrUn_JTFH01000453v1_decoy	1695	0	0	0
chrUn_JTFH01000454v1_decoy	1693	0	0	0
chrUn_JTFH01000455v1_decoy	1687	0	0	0
chrUn_JTFH01000456v1_decoy	1686	32	0.019	0.1365
chrUn_JTFH01000457v1_decoy	1680	0	0	0
chrUn_JTFH01000458v1_decoy	1679	125	0.0744	0.2625
chrUn_JTFH01000459v1_decoy	1679	0	0	0
chrUn_JTFH01000460v1_decoy	1678	352	0.2098	0.4071
chrUn_JTFH01000461v1_decoy	1674	0	0	0
chrUn_JTFH01000462v1_decoy	1674	0	0	0
chrUn_JTFH01000463v1_decoy	1671	0	0	0
chrUn_JTFH01000464v1_decoy	1669	0	0	0
chrUn_JTFH01000465v1_decoy	1665	0	0	0
chrUn_JTFH01000466v1_decoy	1663	0	0	0
chrUn_JTFH01000467v1_decoy	1657	0	0	0
chrUn_JTFH01000468v1_decoy	1653	0	0	0
chrUn_JTFH01000469v1_decoy	1652	0	0	0
chrUn_JTFH01000470v1_decoy	1650	0	0	0
chrUn_JTFH01000471v1_decoy	1649	500	0.3032	0.7843
chrUn_JTFH01000472v1_decoy	1649	0	0	0
chrUn_JTFH01000473v1_decoy	1640	3724	2.2707	2.8063
chrUn_JTFH01000474v1_decoy	1638	0	0	0
chrUn_JTFH01000475v1_decoy	1636	0	0	0
chrUn_JTFH01000476v1_decoy	1632	0	0	0
chrUn_JTFH01000477v1_decoy	1631	24158	14.8118	20.0248

chrUn_JTFH01000478v1_decoy	1630	0	0	0
chrUn_JTFH01000479v1_decoy	1627	250	0.1537	0.4868
chrUn_JTFH01000480v1_decoy	1624	874	0.5382	0.8479
chrUn_JTFH01000481v1_decoy	1617	250	0.1546	0.3958
chrUn_JTFH01000482v1_decoy	1616	0	0	0
chrUn_JTFH01000483v1_decoy	1615	0	0	0
chrUn_JTFH01000484v1_decoy	1611	0	0	0
chrUn_JTFH01000485v1_decoy	1611	0	0	0
chrUn_JTFH01000486v1_decoy	1606	750	0.467	1.1725
chrUn_JTFH01000487v1_decoy	1605	0	0	0
chrUn_JTFH01000488v1_decoy	1605	0	0	0
chrUn_JTFH01000489v1_decoy	1600	125	0.0781	0.2684
chrUn_JTFH01000490v1_decoy	1598	250	0.1564	0.4252
chrUn_JTFH01000491v1_decoy	1598	0	0	0
chrUn_JTFH01000492v1_decoy	1597	125	0.0783	0.2686
chrUn_JTFH01000493v1_decoy	1596	326	0.2043	0.577
chrUn_JTFH01000494v1_decoy	1595	0	0	0
chrUn_JTFH01000495v1_decoy	1592	1978	1.2425	2.9723
chrUn_JTFH01000496v1_decoy	1589	0	0	0
chrUn_JTFH01000497v1_decoy	1585	2954	1.8637	5.3964
chrUn_JTFH01000498v1_decoy	1579	122	0.0773	0.267
chrUn_JTFH01000499v1_decoy	1578	0	0	0
chrUn_JTFH01000500v1_decoy	1577	0	0	0
chrUn_JTFH01000501v1_decoy	1577	0	0	0
chrUn_JTFH01000502v1_decoy	1577	125	0.0793	0.2702
chrUn_JTFH01000503v1_decoy	1576	0	0	0
chrUn_JTFH01000504v1_decoy	1575	0	0	0
chrUn_JTFH01000505v1_decoy	1574	0	0	0
chrUn_JTFH01000506v1_decoy	1572	14504	9.2265	11.2332
chrUn_JTFH01000507v1_decoy	1571	0	0	0
chrUn_JTFH01000508v1_decoy	1563	0	0	0
chrUn_JTFH01000509v1_decoy	1561	0	0	0
chrUn_JTFH01000510v1_decoy	1561	750	0.4805	0.6501
chrUn_JTFH01000511v1_decoy	1560	0	0	0
chrUn_JTFH01000512v1_decoy	1560	0	0	0
chrUn_JTFH01000513v1_decoy	1554	250	0.1609	0.3674
chrUn_JTFH01000514v1_decoy	1552	0	0	0
chrUn_JTFH01000515v1_decoy	1548	0	0	0
chrUn_JTFH01000516v1_decoy	1546	0	0	0
chrUn_JTFH01000517v1_decoy	1541	1225	0.7949	1.7695
chrUn_JTFH01000518v1_decoy	1536	250	0.1628	0.5287
chrUn_JTFH01000519v1_decoy	1533	125	0.0815	0.2737

chrUn_JTFH01000520v1_decoy	1532	605	0.3949	1.2343
chrUn_JTFH01000521v1_decoy	1532	0	0	0
chrUn_JTFH01000522v1_decoy	1530	0	0	0
chrUn_JTFH01000523v1_decoy	1527	0	0	0
chrUn_JTFH01000524v1_decoy	1526	0	0	0
chrUn_JTFH01000525v1_decoy	1524	0	0	0
chrUn_JTFH01000526v1_decoy	1523	500	0.3283	0.9407
chrUn_JTFH01000527v1_decoy	1523	0	0	0
chrUn_JTFH01000528v1_decoy	1522	225	0.1478	0.3549
chrUn_JTFH01000529v1_decoy	1522	0	0	0
chrUn_JTFH01000530v1_decoy	1519	250	0.1646	0.3743
chrUn_JTFH01000531v1_decoy	1513	0	0	0
chrUn_JTFH01000532v1_decoy	1508	0	0	0
chrUn_JTFH01000533v1_decoy	1508	0	0	0
chrUn_JTFH01000534v1_decoy	1505	0	0	0
chrUn_JTFH01000535v1_decoy	1503	0	0	0
chrUn_JTFH01000536v1_decoy	1496	0	0	0
chrUn_JTFH01000537v1_decoy	1491	250	0.1677	0.5232
chrUn_JTFH01000538v1_decoy	1490	0	0	0
chrUn_JTFH01000539v1_decoy	1490	0	0	0
chrUn_JTFH01000540v1_decoy	1487	0	0	0
chrUn_JTFH01000541v1_decoy	1486	500	0.3365	0.534
chrUn_JTFH01000542v1_decoy	1485	0	0	0
chrUn_JTFH01000543v1_decoy	1484	125	0.0842	0.2777
chrUn_JTFH01000544v1_decoy	1483	2472	1.6669	2.6494
chrUn_JTFH01000545v1_decoy	1479	0	0	0
chrUn_JTFH01000546v1_decoy	1479	238	0.1609	0.544
chrUn_JTFH01000547v1_decoy	1476	0	0	0
chrUn_JTFH01000548v1_decoy	1475	0	0	0
chrUn_JTFH01000549v1_decoy	1472	0	0	0
chrUn_JTFH01000550v1_decoy	1469	961	0.6542	0.8887
chrUn_JTFH01000551v1_decoy	1468	125	0.0851	0.2791
chrUn_JTFH01000552v1_decoy	1467	0	0	0
chrUn_JTFH01000553v1_decoy	1465	0	0	0
chrUn_JTFH01000554v1_decoy	1464	0	0	0
chrUn_JTFH01000555v1_decoy	1463	0	0	0
chrUn_JTFH01000556v1_decoy	1463	0	0	0
chrUn_JTFH01000557v1_decoy	1459	2034	1.3941	3.1217
chrUn_JTFH01000558v1_decoy	1459	0	0	0
chrUn_JTFH01000559v1_decoy	1458	0	0	0
chrUn_JTFH01000560v1_decoy	1458	0	0	0
chrUn_JTFH01000561v1_decoy	1454	781	0.5371	0.9908

chrUn_JTFH01000562v1_decoy	1449	0	0	0
chrUn_JTFH01000563v1_decoy	1449	0	0	0
chrUn_JTFH01000564v1_decoy	1448	613	0.4233	0.9407
chrUn_JTFH01000565v1_decoy	1446	0	0	0
chrUn_JTFH01000566v1_decoy	1442	0	0	0
chrUn_JTFH01000567v1_decoy	1441	0	0	0
chrUn_JTFH01000568v1_decoy	1440	0	0	0
chrUn_JTFH01000569v1_decoy	1439	825	0.5733	1.1777
chrUn_JTFH01000570v1_decoy	1437	0	0	0
chrUn_JTFH01000571v1_decoy	1436	0	0	0
chrUn_JTFH01000572v1_decoy	1429	0	0	0
chrUn_JTFH01000573v1_decoy	1429	0	0	0
chrUn_JTFH01000574v1_decoy	1427	0	0	0
chrUn_JTFH01000575v1_decoy	1426	0	0	0
chrUn_JTFH01000576v1_decoy	1425	500	0.3509	0.9353
chrUn_JTFH01000577v1_decoy	1424	0	0	0
chrUn_JTFH01000578v1_decoy	1424	125	0.0878	0.283
chrUn_JTFH01000579v1_decoy	1423	0	0	0
chrUn_JTFH01000580v1_decoy	1423	0	0	0
chrUn_JTFH01000581v1_decoy	1423	0	0	0
chrUn_JTFH01000582v1_decoy	1414	0	0	0
chrUn_JTFH01000583v1_decoy	1414	0	0	0
chrUn_JTFH01000584v1_decoy	1413	750	0.5308	0.9875
chrUn_JTFH01000585v1_decoy	1413	0	0	0
chrUn_JTFH01000586v1_decoy	1410	0	0	0
chrUn_JTFH01000587v1_decoy	1409	0	0	0
chrUn_JTFH01000588v1_decoy	1409	0	0	0
chrUn_JTFH01000589v1_decoy	1406	125	0.0889	0.2846
chrUn_JTFH01000590v1_decoy	1405	0	0	0
chrUn_JTFH01000591v1_decoy	1405	500	0.3559	0.7751
chrUn_JTFH01000592v1_decoy	1404	0	0	0
chrUn_JTFH01000593v1_decoy	1404	0	0	0
chrUn_JTFH01000594v1_decoy	1402	0	0	0
chrUn_JTFH01000595v1_decoy	1402	0	0	0
chrUn_JTFH01000596v1_decoy	1402	991	0.7068	0.7647
chrUn_JTFH01000597v1_decoy	1402	0	0	0
chrUn_JTFH01000598v1_decoy	1400	125	0.0893	0.2852
chrUn_JTFH01000599v1_decoy	1398	0	0	0
chrUn_JTFH01000600v1_decoy	1396	1896	1.3582	1.9807
chrUn_JTFH01000601v1_decoy	1395	0	0	0
chrUn_JTFH01000602v1_decoy	1394	295	0.2116	0.5072
chrUn_JTFH01000603v1_decoy	1393	0	0	0

chrUn_JTFH01000604v1_decoy	1391	0	0	0
chrUn_JTFH01000605v1_decoy	1389	458	0.3297	0.7421
chrUn_JTFH01000606v1_decoy	1389	0	0	0
chrUn_JTFH01000607v1_decoy	1388	250	0.1801	0.5014
chrUn_JTFH01000608v1_decoy	1387	0	0	0
chrUn_JTFH01000609v1_decoy	1384	33	0.0238	0.1526
chrUn_JTFH01000610v1_decoy	1381	0	0	0
chrUn_JTFH01000611v1_decoy	1381	0	0	0
chrUn_JTFH01000612v1_decoy	1379	0	0	0
chrUn_JTFH01000613v1_decoy	1377	0	0	0
chrUn_JTFH01000614v1_decoy	1376	0	0	0
chrUn_JTFH01000615v1_decoy	1376	250	0.1817	0.5542
chrUn_JTFH01000616v1_decoy	1375	0	0	0
chrUn_JTFH01000617v1_decoy	1374	0	0	0
chrUn_JTFH01000618v1_decoy	1372	0	0	0
chrUn_JTFH01000619v1_decoy	1371	0	0	0
chrUn_JTFH01000620v1_decoy	1370	972	0.7095	1.9336
chrUn_JTFH01000621v1_decoy	1370	0	0	0
chrUn_JTFH01000622v1_decoy	1366	0	0	0
chrUn_JTFH01000623v1_decoy	1363	125	0.0917	0.2886
chrUn_JTFH01000624v1_decoy	1360	0	0	0
chrUn_JTFH01000625v1_decoy	1356	0	0	0
chrUn_JTFH01000626v1_decoy	1355	0	0	0
chrUn_JTFH01000627v1_decoy	1355	129	0.0952	0.2894
chrUn_JTFH01000628v1_decoy	1352	3695	2.733	3.7665
chrUn_JTFH01000629v1_decoy	1345	1205	0.8959	1.5605
chrUn_JTFH01000630v1_decoy	1344	0	0	0
chrUn_JTFH01000631v1_decoy	1344	962	0.7158	1.0957
chrUn_JTFH01000632v1_decoy	1342	0	0	0
chrUn_JTFH01000633v1_decoy	1342	0	0	0
chrUn_JTFH01000634v1_decoy	1336	0	0	0
chrUn_JTFH01000635v1_decoy	1334	0	0	0
chrUn_JTFH01000636v1_decoy	1334	0	0	0
chrUn_JTFH01000637v1_decoy	1333	0	0	0
chrUn_JTFH01000638v1_decoy	1332	497	0.3731	0.7461
chrUn_JTFH01000639v1_decoy	1328	0	0	0
chrUn_JTFH01000640v1_decoy	1328	0	0	0
chrUn_JTFH01000641v1_decoy	1328	500	0.3765	0.6527
chrUn_JTFH01000642v1_decoy	1327	462	0.3482	0.7574
chrUn_JTFH01000643v1_decoy	1325	0	0	0
chrUn_JTFH01000644v1_decoy	1322	0	0	0
chrUn_JTFH01000645v1_decoy	1320	615	0.4659	0.7768

chrUn_JTFH01000646v1_decoy	1319	0	0	0
chrUn_JTFH01000647v1_decoy	1318	0	0	0
chrUn_JTFH01000648v1_decoy	1315	129	0.0981	0.2933
chrUn_JTFH01000649v1_decoy	1314	0	0	0
chrUn_JTFH01000650v1_decoy	1313	242	0.1843	0.4013
chrUn_JTFH01000651v1_decoy	1313	250	0.1904	0.4893
chrUn_JTFH01000652v1_decoy	1312	0	0	0
chrUn_JTFH01000653v1_decoy	1310	125	0.0954	0.2938
chrUn_JTFH01000654v1_decoy	1309	0	0	0
chrUn_JTFH01000655v1_decoy	1309	0	0	0
chrUn_JTFH01000656v1_decoy	1307	237	0.1813	0.4823
chrUn_JTFH01000657v1_decoy	1307	0	0	0
chrUn_JTFH01000658v1_decoy	1305	0	0	0
chrUn_JTFH01000659v1_decoy	1304	0	0	0
chrUn_JTFH01000660v1_decoy	1303	1705	1.3085	1.3361
chrUn_JTFH01000661v1_decoy	1302	0	0	0
chrUn_JTFH01000662v1_decoy	1302	0	0	0
chrUn_JTFH01000663v1_decoy	1301	104	0.0799	0.2712
chrUn_JTFH01000664v1_decoy	1301	0	0	0
chrUn_JTFH01000665v1_decoy	1300	0	0	0
chrUn_JTFH01000666v1_decoy	1299	0	0	0
chrUn_JTFH01000667v1_decoy	1297	119	0.0918	0.2887
chrUn_JTFH01000668v1_decoy	1295	0	0	0
chrUn_JTFH01000669v1_decoy	1294	0	0	0
chrUn_JTFH01000670v1_decoy	1293	0	0	0
chrUn_JTFH01000671v1_decoy	1291	0	0	0
chrUn_JTFH01000672v1_decoy	1291	243	0.1882	0.3909
chrUn_JTFH01000673v1_decoy	1289	0	0	0
chrUn_JTFH01000674v1_decoy	1288	0	0	0
chrUn_JTFH01000675v1_decoy	1288	250	0.1941	0.5385
chrUn_JTFH01000676v1_decoy	1287	0	0	0
chrUn_JTFH01000677v1_decoy	1287	0	0	0
chrUn_JTFH01000678v1_decoy	1287	0	0	0
chrUn_JTFH01000679v1_decoy	1286	0	0	0
chrUn_JTFH01000680v1_decoy	1283	0	0	0
chrUn_JTFH01000681v1_decoy	1281	0	0	0
chrUn_JTFH01000682v1_decoy	1277	0	0	0
chrUn_JTFH01000683v1_decoy	1274	125	0.0981	0.2975
chrUn_JTFH01000684v1_decoy	1270	1250	0.9843	1.9122
chrUn_JTFH01000685v1_decoy	1267	0	0	0
chrUn_JTFH01000686v1_decoy	1266	250	0.1975	0.5859
chrUn_JTFH01000687v1_decoy	1260	0	0	0

chrUn_JTFH01000688v1_decoy	1259	0	0	0
chrUn_JTFH01000689v1_decoy	1258	0	0	0
chrUn_JTFH01000690v1_decoy	1258	0	0	0
chrUn_JTFH01000691v1_decoy	1258	0	0	0
chrUn_JTFH01000692v1_decoy	1256	0	0	0
chrUn_JTFH01000693v1_decoy	1255	0	0	0
chrUn_JTFH01000694v1_decoy	1254	412	0.3285	0.7203
chrUn_JTFH01000695v1_decoy	1254	0	0	0
chrUn_JTFH01000696v1_decoy	1253	0	0	0
chrUn_JTFH01000697v1_decoy	1250	0	0	0
chrUn_JTFH01000698v1_decoy	1249	0	0	0
chrUn_JTFH01000699v1_decoy	1248	0	0	0
chrUn_JTFH01000700v1_decoy	1248	0	0	0
chrUn_JTFH01000701v1_decoy	1247	250	0.2005	0.4004
chrUn_JTFH01000702v1_decoy	1242	0	0	0
chrUn_JTFH01000703v1_decoy	1242	125	0.1006	0.3009
chrUn_JTFH01000704v1_decoy	1241	1875	1.5109	2.002
chrUn_JTFH01000705v1_decoy	1241	0	0	0
chrUn_JTFH01000706v1_decoy	1241	0	0	0
chrUn_JTFH01000707v1_decoy	1239	0	0	0
chrUn_JTFH01000708v1_decoy	1238	0	0	0
chrUn_JTFH01000709v1_decoy	1237	0	0	0
chrUn_JTFH01000710v1_decoy	1236	0	0	0
chrUn_JTFH01000711v1_decoy	1235	0	0	0
chrUn_JTFH01000712v1_decoy	1234	0	0	0
chrUn_JTFH01000713v1_decoy	1234	0	0	0
chrUn_JTFH01000714v1_decoy	1234	974	0.7893	1.2562
chrUn_JTFH01000715v1_decoy	1233	2110	1.7113	1.6609
chrUn_JTFH01000716v1_decoy	1232	0	0	0
chrUn_JTFH01000717v1_decoy	1232	712	0.5779	1.1433
chrUn_JTFH01000718v1_decoy	1231	0	0	0
chrUn_JTFH01000719v1_decoy	1230	0	0	0
chrUn_JTFH01000720v1_decoy	1228	122	0.0993	0.2991
chrUn_JTFH01000721v1_decoy	1227	0	0	0
chrUn_JTFH01000722v1_decoy	1227	0	0	0
chrUn_JTFH01000723v1_decoy	1226	0	0	0
chrUn_JTFH01000724v1_decoy	1224	0	0	0
chrUn_JTFH01000725v1_decoy	1224	0	0	0
chrUn_JTFH01000726v1_decoy	1220	0	0	0
chrUn_JTFH01000727v1_decoy	1220	1121	0.9189	1.483
chrUn_JTFH01000728v1_decoy	1219	0	0	0
chrUn_JTFH01000729v1_decoy	1217	0	0	0

chrUn_JTFH01000730v1_decoy	1216	0	0	0
chrUn_JTFH01000731v1_decoy	1215	0	0	0
chrUn_JTFH01000732v1_decoy	1214	3404	2.804	4.8559
chrUn_JTFH01000733v1_decoy	1214	0	0	0
chrUn_JTFH01000734v1_decoy	1214	247	0.2035	0.436
chrUn_JTFH01000735v1_decoy	1213	0	0	0
chrUn_JTFH01000736v1_decoy	1212	0	0	0
chrUn_JTFH01000737v1_decoy	1209	125	0.1034	0.3045
chrUn_JTFH01000738v1_decoy	1208	0	0	0
chrUn_JTFH01000739v1_decoy	1207	0	0	0
chrUn_JTFH01000740v1_decoy	1207	125	0.1036	0.3047
chrUn_JTFH01000741v1_decoy	1207	0	0	0
chrUn_JTFH01000742v1_decoy	1206	0	0	0
chrUn_JTFH01000743v1_decoy	1206	0	0	0
chrUn_JTFH01000744v1_decoy	1205	0	0	0
chrUn_JTFH01000745v1_decoy	1205	0	0	0
chrUn_JTFH01000746v1_decoy	1204	967	0.8032	1.4061
chrUn_JTFH01000747v1_decoy	1204	0	0	0
chrUn_JTFH01000748v1_decoy	1204	125	0.1038	0.305
chrUn_JTFH01000749v1_decoy	1203	0	0	0
chrUn_JTFH01000750v1_decoy	1201	125	0.1041	0.3054
chrUn_JTFH01000751v1_decoy	1201	0	0	0
chrUn_JTFH01000752v1_decoy	1200	0	0	0
chrUn_JTFH01000753v1_decoy	1200	0	0	0
chrUn_JTFH01000754v1_decoy	1199	0	0	0
chrUn_JTFH01000755v1_decoy	1198	0	0	0
chrUn_JTFH01000756v1_decoy	1197	0	0	0
chrUn_JTFH01000757v1_decoy	1196	0	0	0
chrUn_JTFH01000758v1_decoy	1195	0	0	0
chrUn_JTFH01000759v1_decoy	1194	0	0	0
chrUn_JTFH01000760v1_decoy	1194	480	0.402	0.658
chrUn_JTFH01000761v1_decoy	1191	0	0	0
chrUn_JTFH01000762v1_decoy	1189	484	0.4071	1.189
chrUn_JTFH01000763v1_decoy	1186	0	0	0
chrUn_JTFH01000764v1_decoy	1186	0	0	0
chrUn_JTFH01000765v1_decoy	1184	51	0.0431	0.203
chrUn_JTFH01000766v1_decoy	1183	254	0.2147	0.4735
chrUn_JTFH01000767v1_decoy	1183	1500	1.268	2.3274
chrUn_JTFH01000768v1_decoy	1182	0	0	0
chrUn_JTFH01000769v1_decoy	1181	0	0	0
chrUn_JTFH01000770v1_decoy	1181	0	0	0
chrUn_JTFH01000771v1_decoy	1181	110	0.0931	0.2906

chrUn_JTFH01000772v1_decoy	1181	0	0	0
chrUn_JTFH01000773v1_decoy	1179	0	0	0
chrUn_JTFH01000774v1_decoy	1178	0	0	0
chrUn_JTFH01000775v1_decoy	1178	0	0	0
chrUn_JTFH01000776v1_decoy	1177	0	0	0
chrUn_JTFH01000777v1_decoy	1177	0	0	0
chrUn_JTFH01000778v1_decoy	1171	0	0	0
chrUn_JTFH01000779v1_decoy	1171	0	0	0
chrUn_JTFH01000780v1_decoy	1171	0	0	0
chrUn_JTFH01000781v1_decoy	1170	0	0	0
chrUn_JTFH01000782v1_decoy	1170	0	0	0
chrUn_JTFH01000783v1_decoy	1167	0	0	0
chrUn_JTFH01000784v1_decoy	1167	307	0.2631	0.5646
chrUn_JTFH01000785v1_decoy	1167	0	0	0
chrUn_JTFH01000786v1_decoy	1165	0	0	0
chrUn_JTFH01000787v1_decoy	1165	0	0	0
chrUn_JTFH01000788v1_decoy	1162	3285	2.827	6.1496
chrUn_JTFH01000789v1_decoy	1157	0	0	0
chrUn_JTFH01000790v1_decoy	1156	0	0	0
chrUn_JTFH01000791v1_decoy	1156	250	0.2163	0.5882
chrUn_JTFH01000792v1_decoy	1154	0	0	0
chrUn_JTFH01000793v1_decoy	1154	0	0	0
chrUn_JTFH01000794v1_decoy	1151	0	0	0
chrUn_JTFH01000795v1_decoy	1151	189289	164.4561	56.5739
chrUn_JTFH01000796v1_decoy	1150	375	0.3261	0.6329
chrUn_JTFH01000797v1_decoy	1150	0	0	0
chrUn_JTFH01000798v1_decoy	1147	1750	1.5257	2.3783
chrUn_JTFH01000799v1_decoy	1147	125	0.109	0.3116
chrUn_JTFH01000800v1_decoy	1146	0	0	0
chrUn_JTFH01000801v1_decoy	1144	0	0	0
chrUn_JTFH01000802v1_decoy	1144	0	0	0
chrUn_JTFH01000803v1_decoy	1143	0	0	0
chrUn_JTFH01000804v1_decoy	1142	0	0	0
chrUn_JTFH01000805v1_decoy	1141	0	0	0
chrUn_JTFH01000806v1_decoy	1141	704	0.617	1.094
chrUn_JTFH01000807v1_decoy	1140	0	0	0
chrUn_JTFH01000808v1_decoy	1138	0	0	0
chrUn_JTFH01000809v1_decoy	1134	0	0	0
chrUn_JTFH01000810v1_decoy	1134	0	0	0
chrUn_JTFH01000811v1_decoy	1132	0	0	0
chrUn_JTFH01000812v1_decoy	1131	0	0	0
chrUn_JTFH01000813v1_decoy	1131	0	0	0

chrUn_JTFH01000814v1_decoy	1130	0	0	0
chrUn_JTFH01000815v1_decoy	1127	250	0.2218	0.4155
chrUn_JTFH01000816v1_decoy	1126	0	0	0
chrUn_JTFH01000817v1_decoy	1124	250	0.2224	0.4159
chrUn_JTFH01000818v1_decoy	1122	0	0	0
chrUn_JTFH01000819v1_decoy	1122	0	0	0
chrUn_JTFH01000820v1_decoy	1121	375	0.3345	0.6472
chrUn_JTFH01000821v1_decoy	1119	0	0	0
chrUn_JTFH01000822v1_decoy	1119	0	0	0
chrUn_JTFH01000823v1_decoy	1119	0	0	0
chrUn_JTFH01000824v1_decoy	1119	0	0	0
chrUn_JTFH01000825v1_decoy	1118	0	0	0
chrUn_JTFH01000826v1_decoy	1116	0	0	0
chrUn_JTFH01000827v1_decoy	1116	0	0	0
chrUn_JTFH01000828v1_decoy	1115	0	0	0
chrUn_JTFH01000829v1_decoy	1115	0	0	0
chrUn_JTFH01000830v1_decoy	1115	0	0	0
chrUn_JTFH01000831v1_decoy	1114	0	0	0
chrUn_JTFH01000832v1_decoy	1113	33	0.0296	0.1696
chrUn_JTFH01000833v1_decoy	1113	0	0	0
chrUn_JTFH01000834v1_decoy	1110	0	0	0
chrUn_JTFH01000835v1_decoy	1110	0	0	0
chrUn_JTFH01000836v1_decoy	1109	0	0	0
chrUn_JTFH01000837v1_decoy	1108	0	0	0
chrUn_JTFH01000838v1_decoy	1107	110	0.0994	0.2992
chrUn_JTFH01000839v1_decoy	1107	0	0	0
chrUn_JTFH01000840v1_decoy	1107	87108	78.6883	28.8088
chrUn_JTFH01000841v1_decoy	1107	0	0	0
chrUn_JTFH01000842v1_decoy	1106	0	0	0
chrUn_JTFH01000843v1_decoy	1103	3302	2.9937	2.7931
chrUn_JTFH01000844v1_decoy	1103	1757	1.5929	2.4713
chrUn_JTFH01000845v1_decoy	1103	1735	1.573	1.7155
chrUn_JTFH01000846v1_decoy	1100	0	0	0
chrUn_JTFH01000847v1_decoy	1099	0	0	0
chrUn_JTFH01000848v1_decoy	1098	250	0.2277	0.4193
chrUn_JTFH01000849v1_decoy	1097	0	0	0
chrUn_JTFH01000850v1_decoy	1096	218	0.1989	0.5985
chrUn_JTFH01000851v1_decoy	1096	125	0.1141	0.3179
chrUn_JTFH01000852v1_decoy	1094	0	0	0
chrUn_JTFH01000853v1_decoy	1093	0	0	0
chrUn_JTFH01000854v1_decoy	1090	0	0	0
chrUn_JTFH01000855v1_decoy	1088	250	0.2298	0.6363

chrUn_JTFH01000856v1_decoy	1087	250	0.23	0.619
chrUn_JTFH01000857v1_decoy	1086	0	0	0
chrUn_JTFH01000858v1_decoy	1085	0	0	0
chrUn_JTFH01000859v1_decoy	1084	0	0	0
chrUn_JTFH01000860v1_decoy	1084	1592	1.4686	1.7136
chrUn_JTFH01000861v1_decoy	1084	0	0	0
chrUn_JTFH01000862v1_decoy	1084	0	0	0
chrUn_JTFH01000863v1_decoy	1083	0	0	0
chrUn_JTFH01000864v1_decoy	1083	6166	5.6934	2.8499
chrUn_JTFH01000865v1_decoy	1082	0	0	0
chrUn_JTFH01000866v1_decoy	1082	0	0	0
chrUn_JTFH01000867v1_decoy	1081	833	0.7706	1.6223
chrUn_JTFH01000868v1_decoy	1081	0	0	0
chrUn_JTFH01000869v1_decoy	1079	0	0	0
chrUn_JTFH01000870v1_decoy	1076	880	0.8178	1.6069
chrUn_JTFH01000871v1_decoy	1074	145	0.135	0.4581
chrUn_JTFH01000872v1_decoy	1073	1052	0.9804	1.9615
chrUn_JTFH01000873v1_decoy	1073	0	0	0
chrUn_JTFH01000874v1_decoy	1071	0	0	0
chrUn_JTFH01000875v1_decoy	1069	0	0	0
chrUn_JTFH01000876v1_decoy	1067	0	0	0
chrUn_JTFH01000877v1_decoy	1067	0	0	0
chrUn_JTFH01000878v1_decoy	1067	0	0	0
chrUn_JTFH01000879v1_decoy	1066	0	0	0
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chrUn_JTFH01000881v1_decoy	1065	0	0	0
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chrUn_JTFH01000884v1_decoy	1065	0	0	0
chrUn_JTFH01000885v1_decoy	1064	496	0.4662	0.8366
chrUn_JTFH01000886v1_decoy	1064	0	0	0
chrUn_JTFH01000887v1_decoy	1064	0	0	0
chrUn_JTFH01000888v1_decoy	1063	0	0	0
chrUn_JTFH01000889v1_decoy	1062	0	0	0
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chrUn_JTFH01000891v1_decoy	1062	0	0	0
chrUn_JTFH01000892v1_decoy	1061	0	0	0
chrUn_JTFH01000893v1_decoy	1060	0	0	0
chrUn_JTFH01000894v1_decoy	1057	0	0	0
chrUn_JTFH01000895v1_decoy	1057	0	0	0
chrUn_JTFH01000896v1_decoy	1056	1417	1.3419	2.4061
chrUn_JTFH01000897v1_decoy	1055	0	0	0

chrUn_JTFH01000898v1_decoy	1055	0	0	0
chrUn_JTFH01000899v1_decoy	1055	52698	49.9507	24.6272
chrUn_JTFH01000900v1_decoy	1055	250	0.237	0.4319
chrUn_JTFH01000901v1_decoy	1054	0	0	0
chrUn_JTFH01000902v1_decoy	1051	125	0.1189	0.3237
chrUn_JTFH01000903v1_decoy	1050	0	0	0
chrUn_JTFH01000904v1_decoy	1050	0	0	0
chrUn_JTFH01000905v1_decoy	1049	0	0	0
chrUn_JTFH01000906v1_decoy	1048	0	0	0
chrUn_JTFH01000907v1_decoy	1047	0	0	0
chrUn_JTFH01000908v1_decoy	1046	0	0	0
chrUn_JTFH01000909v1_decoy	1046	0	0	0
chrUn_JTFH01000910v1_decoy	1046	450	0.4302	0.7396
chrUn_JTFH01000911v1_decoy	1045	0	0	0
chrUn_JTFH01000912v1_decoy	1045	0	0	0
chrUn_JTFH01000913v1_decoy	1045	0	0	0
chrUn_JTFH01000914v1_decoy	1044	0	0	0
chrUn_JTFH01000915v1_decoy	1042	0	0	0
chrUn_JTFH01000916v1_decoy	1041	0	0	0
chrUn_JTFH01000917v1_decoy	1039	0	0	0
chrUn_JTFH01000918v1_decoy	1039	0	0	0
chrUn_JTFH01000919v1_decoy	1038	0	0	0
chrUn_JTFH01000920v1_decoy	1036	0	0	0
chrUn_JTFH01000921v1_decoy	1036	0	0	0
chrUn_JTFH01000922v1_decoy	1035	0	0	0
chrUn_JTFH01000923v1_decoy	1035	243	0.2348	0.4734
chrUn_JTFH01000924v1_decoy	1033	0	0	0
chrUn_JTFH01000925v1_decoy	1032	0	0	0
chrUn_JTFH01000926v1_decoy	1031	0	0	0
chrUn_JTFH01000927v1_decoy	1031	88	0.0854	0.4043
chrUn_JTFH01000928v1_decoy	1031	349	0.3385	0.6642
chrUn_JTFH01000929v1_decoy	1027	0	0	0
chrUn_JTFH01000930v1_decoy	1027	0	0	0
chrUn_JTFH01000931v1_decoy	1026	0	0	0
chrUn_JTFH01000932v1_decoy	1026	125	0.1218	0.3271
chrUn_JTFH01000933v1_decoy	1024	0	0	0
chrUn_JTFH01000934v1_decoy	1024	0	0	0
chrUn_JTFH01000935v1_decoy	1022	248	0.2427	0.5629
chrUn_JTFH01000936v1_decoy	1022	0	0	0
chrUn_JTFH01000937v1_decoy	1021	125	0.1224	0.3278
chrUn_JTFH01000938v1_decoy	1020	0	0	0
chrUn_JTFH01000939v1_decoy	1019	0	0	0

chrUn_JTFH01000940v1_decoy	1018	0	0	0
chrUn_JTFH01000941v1_decoy	1018	0	0	0
chrUn_JTFH01000942v1_decoy	1018	0	0	0
chrUn_JTFH01000943v1_decoy	1016	0	0	0
chrUn_JTFH01000944v1_decoy	1010	0	0	0
chrUn_JTFH01000945v1_decoy	1010	0	0	0
chrUn_JTFH01000946v1_decoy	1009	0	0	0
chrUn_JTFH01000947v1_decoy	1008	0	0	0
chrUn_JTFH01000948v1_decoy	1007	500	0.4965	1.1247
chrUn_JTFH01000949v1_decoy	1006	0	0	0
chrUn_JTFH01000950v1_decoy	1005	0	0	0
chrUn_JTFH01000951v1_decoy	1005	0	0	0
chrUn_JTFH01000952v1_decoy	1004	1740	1.7331	2.899
chrUn_JTFH01000953v1_decoy	1004	0	0	0
chrUn_JTFH01000954v1_decoy	1003	0	0	0
chrUn_JTFH01000955v1_decoy	1003	157	0.1565	0.5212
chrUn_JTFH01000956v1_decoy	1003	250	0.2493	0.4326
chrUn_JTFH01000957v1_decoy	1003	0	0	0
chrUn_JTFH01000958v1_decoy	1002	0	0	0
chrUn_JTFH01000959v1_decoy	1002	0	0	0
chrUn_JTFH01000960v1_decoy	1000	0	0	0
chrUn_JTFH01000961v1_decoy	1000	250	0.25	0.5545
chrUn_JTFH01000962v1_decoy	8358	0	0	0
chrUn_JTFH01000963v1_decoy	7932	125	0.0158	0.1245
chrUn_JTFH01000964v1_decoy	6846	0	0	0
chrUn_JTFH01000965v1_decoy	4591	45345	9.8769	12.542
chrUn_JTFH01000966v1_decoy	4041	0	0	0
chrUn_JTFH01000967v1_decoy	3841	235	0.0612	0.2397
chrUn_JTFH01000968v1_decoy	3754	2737	0.7291	1.2631
chrUn_JTFH01000969v1_decoy	3743	820	0.2191	0.6108
chrUn_JTFH01000970v1_decoy	3702	0	0	0
chrUn_JTFH01000971v1_decoy	3625	43	0.0119	0.1083
chrUn_JTFH01000972v1_decoy	3529	3325	0.9422	1.7852
chrUn_JTFH01000973v1_decoy	3508	346	0.0986	0.3664
chrUn_JTFH01000974v1_decoy	3359	0	0	0
chrUn_JTFH01000975v1_decoy	3320	500	0.1506	0.4843
chrUn_JTFH01000976v1_decoy	3231	0	0	0
chrUn_JTFH01000977v1_decoy	3220	1206	0.3745	0.6705
chrUn_JTFH01000978v1_decoy	3212	0	0	0
chrUn_JTFH01000979v1_decoy	3192	890	0.2788	0.6322
chrUn_JTFH01000980v1_decoy	3092	750	0.2426	0.7698
chrUn_JTFH01000981v1_decoy	3087	7173	2.3236	2.4203

chrUn_JTFH01000982v1_decoy	3048	750	0.2461	0.612
chrUn_JTFH01000983v1_decoy	3005	250	0.0832	0.3806
chrUn_JTFH01000984v1_decoy	3004	440	0.1465	0.392
chrUn_JTFH01000985v1_decoy	2959	681	0.2301	0.4382
chrUn_JTFH01000986v1_decoy	2934	1750	0.5965	1.133
chrUn_JTFH01000987v1_decoy	2933	0	0	0
chrUn_JTFH01000988v1_decoy	2827	0	0	0
chrUn_JTFH01000989v1_decoy	2794	875	0.3132	0.7285
chrUn_JTFH01000990v1_decoy	2749	0	0	0
chrUn_JTFH01000991v1_decoy	2745	0	0	0
chrUn_JTFH01000992v1_decoy	2733	1589	0.5814	1.1267
chrUn_JTFH01000993v1_decoy	2698	0	0	0
chrUn_JTFH01000994v1_decoy	2665	250	0.0938	0.2916
chrUn_JTFH01000995v1_decoy	2634	1240	0.4708	0.9308
chrUn_JTFH01000996v1_decoy	2492	1250	0.5016	0.7869
chrUn_JTFH01000997v1_decoy	2489	326	0.131	0.4528
chrUn_JTFH01000998v1_decoy	2468	125	0.0506	0.2193
chrUn_JTFH01000999v1_decoy	2414	4704	1.9486	3.7192
chrUn_JTFH01001000v1_decoy	2395	0	0	0
chrUn_JTFH01001001v1_decoy	2356	722	0.3065	0.6848
chrUn_JTFH01001002v1_decoy	2339	731	0.3125	0.8665
chrUn_JTFH01001003v1_decoy	2310	0	0	0
chrUn_JTFH01001004v1_decoy	2288	250	0.1093	0.3284
chrUn_JTFH01001005v1_decoy	2285	0	0	0
chrUn_JTFH01001006v1_decoy	2269	250	0.1102	0.4095
chrUn_JTFH01001007v1_decoy	2253	340	0.1509	0.4826
chrUn_JTFH01001008v1_decoy	2203	863	0.3917	0.551
chrUn_JTFH01001009v1_decoy	2176	464	0.2132	0.7885
chrUn_JTFH01001010v1_decoy	2159	400	0.1853	0.7011
chrUn_JTFH01001011v1_decoy	2155	0	0	0
chrUn_JTFH01001012v1_decoy	2149	0	0	0
chrUn_JTFH01001013v1_decoy	2129	428	0.201	0.5465
chrUn_JTFH01001014v1_decoy	2116	775	0.3663	0.8354
chrUn_JTFH01001015v1_decoy	2113	249	0.1178	0.4163
chrUn_JTFH01001016v1_decoy	2098	5285	2.5191	3.1981
chrUn_JTFH01001017v1_decoy	2066	250	0.121	0.4717
chrUn_JTFH01001018v1_decoy	2066	1264	0.6118	1.3595
chrUn_JTFH01001019v1_decoy	2059	1500	0.7285	1.6687
chrUn_JTFH01001020v1_decoy	2047	250	0.1221	0.3274
chrUn_JTFH01001021v1_decoy	2040	744	0.3647	0.9114
chrUn_JTFH01001022v1_decoy	2030	250	0.1232	0.3852
chrUn_JTFH01001023v1_decoy	2024	355	0.1754	0.4631

chrUn_JTFH01001024v1_decoy	2001	0	0	0
chrUn_JTFH01001025v1_decoy	1992	500	0.251	0.7001
chrUn_JTFH01001026v1_decoy	1981	0	0	0
chrUn_JTFH01001027v1_decoy	1979	0	0	0
chrUn_JTFH01001028v1_decoy	1957	0	0	0
chrUn_JTFH01001029v1_decoy	1953	500	0.256	0.9417
chrUn_JTFH01001030v1_decoy	1944	375	0.1929	0.4099
chrUn_JTFH01001031v1_decoy	1936	98	0.0506	0.2192
chrUn_JTFH01001032v1_decoy	1932	500	0.2588	0.6421
chrUn_JTFH01001033v1_decoy	1882	1734	0.9214	1.2272
chrUn_JTFH01001034v1_decoy	1878	613	0.3264	0.5134
chrUn_JTFH01001035v1_decoy	1870	0	0	0
chrUn_JTFH01001036v1_decoy	1821	0	0	0
chrUn_JTFH01001037v1_decoy	1813	616	0.3398	0.6279
chrUn_JTFH01001038v1_decoy	1809	1000	0.5528	0.9122
chrUn_JTFH01001039v1_decoy	1804	830	0.4601	0.7915
chrUn_JTFH01001040v1_decoy	1797	1053	0.586	1.0047
chrUn_JTFH01001041v1_decoy	1791	0	0	0
chrUn_JTFH01001042v1_decoy	1781	625	0.3509	0.685
chrUn_JTFH01001043v1_decoy	1766	319	0.1806	0.4319
chrUn_JTFH01001044v1_decoy	1764	0	0	0
chrUn_JTFH01001045v1_decoy	1743	750	0.4303	0.6923
chrUn_JTFH01001046v1_decoy	1741	668	0.3837	0.6385
chrUn_JTFH01001047v1_decoy	1709	752	0.44	1.0271
chrUn_JTFH01001048v1_decoy	1706	0	0	0
chrUn_JTFH01001049v1_decoy	1701	0	0	0
chrUn_JTFH01001050v1_decoy	1689	250	0.148	0.4712
chrUn_JTFH01001051v1_decoy	1646	0	0	0
chrUn_JTFH01001052v1_decoy	1641	0	0	0
chrUn_JTFH01001053v1_decoy	1639	0	0	0
chrUn_JTFH01001054v1_decoy	1636	1353	0.827	1.6444
chrUn_JTFH01001055v1_decoy	1632	250	0.1532	0.4616
chrUn_JTFH01001056v1_decoy	1629	981	0.6022	1.1414
chrUn_JTFH01001057v1_decoy	1623	100783	62.0967	23.8788
chrUn_JTFH01001058v1_decoy	1622	0	0	0
chrUn_JTFH01001059v1_decoy	1622	750	0.4624	0.9716
chrUn_JTFH01001060v1_decoy	1619	875	0.5405	0.8545
chrUn_JTFH01001061v1_decoy	1606	250	0.1557	0.4985
chrUn_JTFH01001062v1_decoy	1593	0	0	0
chrUn_JTFH01001063v1_decoy	1592	500	0.3141	0.6245
chrUn_JTFH01001064v1_decoy	1558	375	0.2407	0.5714
chrUn_JTFH01001065v1_decoy	1545	0	0	0

chrUn_JTFH01001066v1_decoy	1542	125	0.0811	0.2729
chrUn_JTFH01001067v1_decoy	1540	106	0.0688	0.2532
chrUn_JTFH01001068v1_decoy	1529	250	0.1635	0.3786
chrUn_JTFH01001069v1_decoy	1518	0	0	0
chrUn_JTFH01001070v1_decoy	1515	500	0.33	0.6555
chrUn_JTFH01001071v1_decoy	1513	158	0.1044	0.4061
chrUn_JTFH01001072v1_decoy	1507	0	0	0
chrUn_JTFH01001073v1_decoy	1504	0	0	0
chrUn_JTFH01001074v1_decoy	1499	116	0.0774	0.2672
chrUn_JTFH01001075v1_decoy	1495	1224	0.8187	1.7089
chrUn_JTFH01001076v1_decoy	1495	0	0	0
chrUn_JTFH01001077v1_decoy	1492	0	0	0
chrUn_JTFH01001078v1_decoy	1492	359	0.2406	0.8082
chrUn_JTFH01001079v1_decoy	1489	198	0.133	0.4192
chrUn_JTFH01001080v1_decoy	1485	0	0	0
chrUn_JTFH01001081v1_decoy	1483	0	0	0
chrUn_JTFH01001082v1_decoy	1473	0	0	0
chrUn_JTFH01001083v1_decoy	1470	0	0	0
chrUn_JTFH01001084v1_decoy	1463	7842	5.3602	3.2397
chrUn_JTFH01001085v1_decoy	1460	0	0	0
chrUn_JTFH01001086v1_decoy	1458	971	0.666	0.9688
chrUn_JTFH01001087v1_decoy	1456	250	0.1717	0.5196
chrUn_JTFH01001088v1_decoy	1453	500	0.3441	0.9682
chrUn_JTFH01001089v1_decoy	1443	98	0.0679	0.2516
chrUn_JTFH01001090v1_decoy	1441	360	0.2498	0.5844
chrUn_JTFH01001091v1_decoy	1426	0	0	0
chrUn_JTFH01001092v1_decoy	1425	0	0	0
chrUn_JTFH01001093v1_decoy	1418	0	0	0
chrUn_JTFH01001094v1_decoy	1413	500	0.3539	0.8795
chrUn_JTFH01001095v1_decoy	1413	0	0	0
chrUn_JTFH01001096v1_decoy	1412	0	0	0
chrUn_JTFH01001097v1_decoy	1407	0	0	0
chrUn_JTFH01001098v1_decoy	1406	246	0.175	0.5651
chrUn_JTFH01001099v1_decoy	1396	1875	1.3431	2.587
chrUn_JTFH01001100v1_decoy	1390	1000	0.7194	1.699
chrUn_JTFH01001101v1_decoy	1382	0	0	0
chrUn_JTFH01001102v1_decoy	1376	0	0	0
chrUn_JTFH01001103v1_decoy	1375	250	0.1818	0.4947
chrUn_JTFH01001104v1_decoy	1371	948	0.6915	0.9184
chrUn_JTFH01001105v1_decoy	1367	0	0	0
chrUn_JTFH01001106v1_decoy	1364	250	0.1833	0.4676
chrUn_JTFH01001107v1_decoy	1356	0	0	0

chrUn_JTFH01001108v1_decoy	1355	313	0.231	0.7035
chrUn_JTFH01001109v1_decoy	1352	1617	1.196	2.1687
chrUn_JTFH01001110v1_decoy	1350	0	0	0
chrUn_JTFH01001111v1_decoy	1346	0	0	0
chrUn_JTFH01001112v1_decoy	1345	344	0.2558	0.5934
chrUn_JTFH01001113v1_decoy	1340	750	0.5597	1.3113
chrUn_JTFH01001114v1_decoy	1330	0	0	0
chrUn_JTFH01001115v1_decoy	1329	0	0	0
chrUn_JTFH01001116v1_decoy	1324	0	0	0
chrUn_JTFH01001117v1_decoy	1316	250	0.19	0.5786
chrUn_JTFH01001118v1_decoy	1307	0	0	0
chrUn_JTFH01001119v1_decoy	1304	0	0	0
chrUn_JTFH01001120v1_decoy	1304	375	0.2876	0.5998
chrUn_JTFH01001121v1_decoy	1303	0	0	0
chrUn_JTFH01001122v1_decoy	1301	250	0.1922	0.5186
chrUn_JTFH01001123v1_decoy	1300	0	0	0
chrUn_JTFH01001124v1_decoy	1297	612	0.4719	0.8205
chrUn_JTFH01001125v1_decoy	1296	840	0.6481	0.8229
chrUn_JTFH01001126v1_decoy	1290	0	0	0
chrUn_JTFH01001127v1_decoy	1284	0	0	0
chrUn_JTFH01001128v1_decoy	1282	468	0.3651	0.7945
chrUn_JTFH01001129v1_decoy	1281	0	0	0
chrUn_JTFH01001130v1_decoy	1280	0	0	0
chrUn_JTFH01001131v1_decoy	1279	0	0	0
chrUn_JTFH01001132v1_decoy	1272	874	0.6871	1.0954
chrUn_JTFH01001133v1_decoy	1267	625	0.4933	0.7779
chrUn_JTFH01001134v1_decoy	1267	0	0	0
chrUn_JTFH01001135v1_decoy	1266	0	0	0
chrUn_JTFH01001136v1_decoy	1264	0	0	0
chrUn_JTFH01001137v1_decoy	1264	0	0	0
chrUn_JTFH01001138v1_decoy	1264	0	0	0
chrUn_JTFH01001139v1_decoy	1263	250	0.1979	0.5445
chrUn_JTFH01001140v1_decoy	1249	0	0	0
chrUn_JTFH01001141v1_decoy	1240	946	0.7629	1.3101
chrUn_JTFH01001142v1_decoy	1239	0	0	0
chrUn_JTFH01001143v1_decoy	1235	0	0	0
chrUn_JTFH01001144v1_decoy	1235	208	0.1684	0.5554
chrUn_JTFH01001145v1_decoy	1233	500	0.4055	1.0194
chrUn_JTFH01001146v1_decoy	1232	0	0	0
chrUn_JTFH01001147v1_decoy	1230	0	0	0
chrUn_JTFH01001148v1_decoy	1226	0	0	0
chrUn_JTFH01001149v1_decoy	1223	183	0.1496	0.5207

chrUn_JTFH01001150v1_decoy	1214	0	0	0
chrUn_JTFH01001151v1_decoy	1213	125	0.1031	0.304
chrUn_JTFH01001152v1_decoy	1211	0	0	0
chrUn_JTFH01001153v1_decoy	1209	375	0.3102	0.8138
chrUn_JTFH01001154v1_decoy	1202	0	0	0
chrUn_JTFH01001155v1_decoy	1199	30	0.025	0.1562
chrUn_JTFH01001156v1_decoy	1197	184	0.1537	0.5327
chrUn_JTFH01001157v1_decoy	1193	0	0	0
chrUn_JTFH01001158v1_decoy	1191	0	0	0
chrUn_JTFH01001159v1_decoy	1187	0	0	0
chrUn_JTFH01001160v1_decoy	1186	0	0	0
chrUn_JTFH01001161v1_decoy	1184	0	0	0
chrUn_JTFH01001162v1_decoy	1184	0	0	0
chrUn_JTFH01001163v1_decoy	1182	0	0	0
chrUn_JTFH01001164v1_decoy	1179	0	0	0
chrUn_JTFH01001165v1_decoy	1173	0	0	0
chrUn_JTFH01001166v1_decoy	1169	1248	1.0676	1.408
chrUn_JTFH01001167v1_decoy	1167	242	0.2074	0.575
chrUn_JTFH01001168v1_decoy	1166	125	0.1072	0.3094
chrUn_JTFH01001169v1_decoy	1165	0	0	0
chrUn_JTFH01001170v1_decoy	1164	0	0	0
chrUn_JTFH01001171v1_decoy	1163	125	0.1075	0.3097
chrUn_JTFH01001172v1_decoy	1158	0	0	0
chrUn_JTFH01001173v1_decoy	1158	0	0	0
chrUn_JTFH01001174v1_decoy	1157	0	0	0
chrUn_JTFH01001175v1_decoy	1157	1830	1.5817	2.1588
chrUn_JTFH01001176v1_decoy	1157	625	0.5402	0.8005
chrUn_JTFH01001177v1_decoy	1155	0	0	0
chrUn_JTFH01001178v1_decoy	1154	0	0	0
chrUn_JTFH01001179v1_decoy	1149	0	0	0
chrUn_JTFH01001180v1_decoy	1148	120	0.1045	0.3059
chrUn_JTFH01001181v1_decoy	1148	218	0.1899	0.4138
chrUn_JTFH01001182v1_decoy	1146	0	0	0
chrUn_JTFH01001183v1_decoy	1144	0	0	0
chrUn_JTFH01001184v1_decoy	1140	169	0.1482	0.5231
chrUn_JTFH01001185v1_decoy	1136	0	0	0
chrUn_JTFH01001186v1_decoy	1134	0	0	0
chrUn_JTFH01001187v1_decoy	1133	0	0	0
chrUn_JTFH01001188v1_decoy	1129	738	0.6537	1.2505
chrUn_JTFH01001189v1_decoy	1127	0	0	0
chrUn_JTFH01001190v1_decoy	1127	0	0	0
chrUn_JTFH01001191v1_decoy	1118	0	0	0

chrUn_JTFH01001192v1_decoy	1110	240	0.2162	0.4709
chrUn_JTFH01001193v1_decoy	1104	816	0.7391	0.7559
chrUn_JTFH01001194v1_decoy	1104	0	0	0
chrUn_JTFH01001195v1_decoy	1101	0	0	0
chrUn_JTFH01001196v1_decoy	1098	248	0.2259	0.4182
chrUn_JTFH01001197v1_decoy	1096	500	0.4562	1.1612
chrUn_JTFH01001198v1_decoy	1094	0	0	0
chrUn_JTFH01001199v1_decoy	1091	0	0	0
chrUn_JTFH01001200v1_decoy	1089	0	0	0
chrUn_JTFH01001201v1_decoy	1086	0	0	0
chrUn_JTFH01001202v1_decoy	1085	0	0	0
chrUn_JTFH01001203v1_decoy	1084	0	0	0
chrUn_JTFH01001204v1_decoy	1083	0	0	0
chrUn_JTFH01001205v1_decoy	1083	0	0	0
chrUn_JTFH01001206v1_decoy	1079	1442	1.3364	1.217
chrUn_JTFH01001207v1_decoy	1076	750	0.697	1.1297
chrUn_JTFH01001208v1_decoy	1069	353	0.3302	0.6591
chrUn_JTFH01001209v1_decoy	1068	0	0	0
chrUn_JTFH01001210v1_decoy	1067	0	0	0
chrUn_JTFH01001211v1_decoy	1067	456	0.4274	1.2326
chrUn_JTFH01001212v1_decoy	1067	0	0	0
chrUn_JTFH01001213v1_decoy	1063	0	0	0
chrUn_JTFH01001214v1_decoy	1062	490	0.4614	0.739
chrUn_JTFH01001215v1_decoy	1059	0	0	0
chrUn_JTFH01001216v1_decoy	1058	0	0	0
chrUn_JTFH01001217v1_decoy	1058	246	0.2325	0.6411
chrUn_JTFH01001218v1_decoy	1055	0	0	0
chrUn_JTFH01001219v1_decoy	1054	553	0.5247	0.6364
chrUn_JTFH01001220v1_decoy	1054	0	0	0
chrUn_JTFH01001221v1_decoy	1053	0	0	0
chrUn_JTFH01001222v1_decoy	1053	0	0	0
chrUn_JTFH01001223v1_decoy	1052	250	0.2376	0.5128
chrUn_JTFH01001224v1_decoy	1051	0	0	0
chrUn_JTFH01001225v1_decoy	1049	250	0.2383	0.4261
chrUn_JTFH01001226v1_decoy	1047	500	0.4776	0.9759
chrUn_JTFH01001227v1_decoy	1044	0	0	0
chrUn_JTFH01001228v1_decoy	1043	0	0	0
chrUn_JTFH01001229v1_decoy	1043	0	0	0
chrUn_JTFH01001230v1_decoy	1042	0	0	0
chrUn_JTFH01001231v1_decoy	1042	0	0	0
chrUn_JTFH01001232v1_decoy	1041	0	0	0
chrUn_JTFH01001233v1_decoy	1040	0	0	0

chrUn_JTFH01001234v1_decoy	1039	0	0	0
chrUn_JTFH01001235v1_decoy	1038	0	0	0
chrUn_JTFH01001236v1_decoy	1037	0	0	0
chrUn_JTFH01001237v1_decoy	1037	500	0.4822	0.9331
chrUn_JTFH01001238v1_decoy	1035	117	0.113	0.3166
chrUn_JTFH01001239v1_decoy	1027	0	0	0
chrUn_JTFH01001240v1_decoy	1021	0	0	0
chrUn_JTFH01001241v1_decoy	1021	0	0	0
chrUn_JTFH01001242v1_decoy	1019	0	0	0
chrUn_JTFH01001243v1_decoy	1019	0	0	0
chrUn_JTFH01001244v1_decoy	1016	110	0.1083	0.3107
chrUn_JTFH01001245v1_decoy	1014	250	0.2465	0.5742
chrUn_JTFH01001246v1_decoy	1013	0	0	0
chrUn_JTFH01001247v1_decoy	1009	0	0	0
chrUn_JTFH01001248v1_decoy	1008	0	0	0
chrUn_JTFH01001249v1_decoy	1007	750	0.7448	0.8452
chrUn_JTFH01001250v1_decoy	1004	230	0.2291	0.6369
chrUn_JTFH01001251v1_decoy	1004	0	0	0
chrUn_JTFH01001252v1_decoy	1003	0	0	0
chrUn_JTFH01001253v1_decoy	1001	0	0	0
chrUn_JTFH01001254v1_decoy	1000	0	0	0
chrUn_JTFH01001255v1_decoy	1000	248	0.248	0.5679
chrUn_JTFH01001256v1_decoy	1000	0	0	0
chrUn_JTFH01001257v1_decoy	17929	3976	0.2218	0.9272
chrUn_JTFH01001258v1_decoy	9749	0	0	0
chrUn_JTFH01001259v1_decoy	8053	0	0	0
chrUn_JTFH01001260v1_decoy	7826	0	0	0
chrUn_JTFH01001261v1_decoy	7768	0	0	0
chrUn_JTFH01001262v1_decoy	5691	0	0	0
chrUn_JTFH01001263v1_decoy	5444	125	0.023	0.1498
chrUn_JTFH01001264v1_decoy	5077	0	0	0
chrUn_JTFH01001265v1_decoy	4990	0	0	0
chrUn_JTFH01001266v1_decoy	4545	0	0	0
chrUn_JTFH01001267v1_decoy	4544	0	0	0
chrUn_JTFH01001268v1_decoy	4202	0	0	0
chrUn_JTFH01001269v1_decoy	4195	375	0.0894	0.2895
chrUn_JTFH01001270v1_decoy	3807	1222	0.321	0.9262
chrUn_JTFH01001271v1_decoy	3741	109	0.0291	0.1682
chrUn_JTFH01001272v1_decoy	3699	0	0	0
chrUn_JTFH01001273v1_decoy	3640	250	0.0687	0.32
chrUn_JTFH01001274v1_decoy	3531	0	0	0
chrUn_JTFH01001275v1_decoy	3455	0	0	0

chrUn_JTFH01001276v1_decoy	3411	0	0	0
chrUn_JTFH01001277v1_decoy	3387	0	0	0
chrUn_JTFH01001278v1_decoy	3358	0	0	0
chrUn_JTFH01001279v1_decoy	3285	0	0	0
chrUn_JTFH01001280v1_decoy	3273	0	0	0
chrUn_JTFH01001281v1_decoy	3262	0	0	0
chrUn_JTFH01001282v1_decoy	3259	2876	0.8825	1.146
chrUn_JTFH01001283v1_decoy	3222	0	0	0
chrUn_JTFH01001284v1_decoy	3127	125	0.04	0.1959
chrUn_JTFH01001285v1_decoy	3110	0	0	0
chrUn_JTFH01001286v1_decoy	3104	0	0	0
chrUn_JTFH01001287v1_decoy	3071	0	0	0
chrUn_JTFH01001288v1_decoy	3063	0	0	0
chrUn_JTFH01001289v1_decoy	3059	0	0	0
chrUn_JTFH01001290v1_decoy	2990	0	0	0
chrUn_JTFH01001291v1_decoy	2986	125	0.0419	0.2003
chrUn_JTFH01001292v1_decoy	2928	0	0	0
chrUn_JTFH01001293v1_decoy	2922	0	0	0
chrUn_JTFH01001294v1_decoy	2875	0	0	0
chrUn_JTFH01001295v1_decoy	2859	0	0	0
chrUn_JTFH01001296v1_decoy	2850	0	0	0
chrUn_JTFH01001297v1_decoy	2813	0	0	0
chrUn_JTFH01001298v1_decoy	2785	871	0.3127	0.7167
chrUn_JTFH01001299v1_decoy	2736	0	0	0
chrUn_JTFH01001300v1_decoy	2688	0	0	0
chrUn_JTFH01001301v1_decoy	2658	250	0.0941	0.36
chrUn_JTFH01001302v1_decoy	2643	500	0.1892	0.6414
chrUn_JTFH01001303v1_decoy	2618	0	0	0
chrUn_JTFH01001304v1_decoy	2605	0	0	0
chrUn_JTFH01001305v1_decoy	2583	174	0.0674	0.3608
chrUn_JTFH01001306v1_decoy	2534	0	0	0
chrUn_JTFH01001307v1_decoy	2512	0	0	0
chrUn_JTFH01001308v1_decoy	2500	0	0	0
chrUn_JTFH01001309v1_decoy	2481	0	0	0
chrUn_JTFH01001310v1_decoy	2478	0	0	0
chrUn_JTFH01001311v1_decoy	2473	0	0	0
chrUn_JTFH01001312v1_decoy	2467	0	0	0
chrUn_JTFH01001313v1_decoy	2442	0	0	0
chrUn_JTFH01001314v1_decoy	2430	226	0.093	0.2904
chrUn_JTFH01001315v1_decoy	2417	250	0.1034	0.3045
chrUn_JTFH01001316v1_decoy	2408	0	0	0
chrUn_JTFH01001317v1_decoy	2395	248	0.1035	0.3047

chrUn_JTFH01001318v1_decoy	2352	0	0	0
chrUn_JTFH01001319v1_decoy	2337	227	0.0971	0.2961
chrUn_JTFH01001320v1_decoy	2322	125	0.0538	0.2257
chrUn_JTFH01001321v1_decoy	2307	0	0	0
chrUn_JTFH01001322v1_decoy	2306	0	0	0
chrUn_JTFH01001323v1_decoy	2292	500	0.2182	0.4694
chrUn_JTFH01001324v1_decoy	2271	0	0	0
chrUn_JTFH01001325v1_decoy	2265	0	0	0
chrUn_JTFH01001326v1_decoy	2260	0	0	0
chrUn_JTFH01001327v1_decoy	2240	0	0	0
chrUn_JTFH01001328v1_decoy	2238	125	0.0559	0.2296
chrUn_JTFH01001329v1_decoy	2228	250	0.1122	0.3813
chrUn_JTFH01001330v1_decoy	2215	0	0	0
chrUn_JTFH01001331v1_decoy	2205	0	0	0
chrUn_JTFH01001332v1_decoy	2191	105	0.0479	0.2136
chrUn_JTFH01001333v1_decoy	2191	236	0.1077	0.4515
chrUn_JTFH01001334v1_decoy	2190	0	0	0
chrUn_JTFH01001335v1_decoy	2184	0	0	0
chrUn_JTFH01001336v1_decoy	2166	1219	0.5628	2.0274
chrUn_JTFH01001337v1_decoy	2165	0	0	0
chrUn_JTFH01001338v1_decoy	2162	0	0	0
chrUn_JTFH01001339v1_decoy	2146	0	0	0
chrUn_JTFH01001340v1_decoy	2116	0	0	0
chrUn_JTFH01001341v1_decoy	2112	0	0	0
chrUn_JTFH01001342v1_decoy	2108	0	0	0
chrUn_JTFH01001343v1_decoy	2106	0	0	0
chrUn_JTFH01001344v1_decoy	2106	0	0	0
chrUn_JTFH01001345v1_decoy	2106	728	0.3457	0.9163
chrUn_JTFH01001346v1_decoy	2097	153	0.073	0.3438
chrUn_JTFH01001347v1_decoy	2081	250	0.1201	0.4439
chrUn_JTFH01001348v1_decoy	2058	0	0	0
chrUn_JTFH01001349v1_decoy	2055	0	0	0
chrUn_JTFH01001350v1_decoy	2054	0	0	0
chrUn_JTFH01001351v1_decoy	2037	0	0	0
chrUn_JTFH01001352v1_decoy	2032	0	0	0
chrUn_JTFH01001353v1_decoy	2032	212	0.1043	0.4447
chrUn_JTFH01001354v1_decoy	2020	0	0	0
chrUn_JTFH01001355v1_decoy	2018	0	0	0
chrUn_JTFH01001356v1_decoy	2014	0	0	0
chrUn_JTFH01001357v1_decoy	2001	0	0	0
chrUn_JTFH01001358v1_decoy	2001	1609	0.8041	1.1636
chrUn_JTFH01001359v1_decoy	1991	0	0	0

chrUn_JTFH01001360v1_decoy	1990	250	0.1256	0.3314
chrUn_JTFH01001361v1_decoy	1983	0	0	0
chrUn_JTFH01001362v1_decoy	1981	0	0	0
chrUn_JTFH01001363v1_decoy	1981	250	0.1262	0.4758
chrUn_JTFH01001364v1_decoy	1979	0	0	0
chrUn_JTFH01001365v1_decoy	1963	4483	2.2837	1.9851
chrUn_JTFH01001366v1_decoy	1932	0	0	0
chrUn_JTFH01001367v1_decoy	1929	250	0.1296	0.4365
chrUn_JTFH01001368v1_decoy	1881	250	0.1329	0.4581
chrUn_JTFH01001369v1_decoy	1874	125	0.0667	0.2495
chrUn_JTFH01001370v1_decoy	1849	0	0	0
chrUn_JTFH01001371v1_decoy	1849	0	0	0
chrUn_JTFH01001372v1_decoy	1833	250	0.1364	0.4058
chrUn_JTFH01001373v1_decoy	1832	0	0	0
chrUn_JTFH01001374v1_decoy	1826	0	0	0
chrUn_JTFH01001375v1_decoy	1814	0	0	0
chrUn_JTFH01001376v1_decoy	1814	277	0.1527	0.3597
chrUn_JTFH01001377v1_decoy	1791	121	0.0676	0.251
chrUn_JTFH01001378v1_decoy	1789	0	0	0
chrUn_JTFH01001379v1_decoy	1786	0	0	0
chrUn_JTFH01001380v1_decoy	1778	0	0	0
chrUn_JTFH01001381v1_decoy	1776	0	0	0
chrUn_JTFH01001382v1_decoy	1762	250	0.1419	0.4536
chrUn_JTFH01001383v1_decoy	1758	0	0	0
chrUn_JTFH01001384v1_decoy	1757	0	0	0
chrUn_JTFH01001385v1_decoy	1754	0	0	0
chrUn_JTFH01001386v1_decoy	1752	0	0	0
chrUn_JTFH01001387v1_decoy	1751	478	0.273	0.6275
chrUn_JTFH01001388v1_decoy	1749	0	0	0
chrUn_JTFH01001389v1_decoy	1738	0	0	0
chrUn_JTFH01001390v1_decoy	1729	89	0.0515	0.221
chrUn_JTFH01001391v1_decoy	1726	125	0.0724	0.2592
chrUn_JTFH01001392v1_decoy	1716	0	0	0
chrUn_JTFH01001393v1_decoy	1712	0	0	0
chrUn_JTFH01001394v1_decoy	1711	0	0	0
chrUn_JTFH01001395v1_decoy	1703	0	0	0
chrUn_JTFH01001396v1_decoy	1702	0	0	0
chrUn_JTFH01001397v1_decoy	1699	0	0	0
chrUn_JTFH01001398v1_decoy	1686	375	0.2224	0.5583
chrUn_JTFH01001399v1_decoy	1684	250	0.1485	0.3556
chrUn_JTFH01001400v1_decoy	1680	250	0.1488	0.4437
chrUn_JTFH01001401v1_decoy	1678	0	0	0

chrUn_JTFH01001402v1_decoy	1678	0	0	0
chrUn_JTFH01001403v1_decoy	1677	0	0	0
chrUn_JTFH01001404v1_decoy	1676	240	0.1432	0.3503
chrUn_JTFH01001405v1_decoy	1672	4056	2.4258	5.1394
chrUn_JTFH01001406v1_decoy	1669	0	0	0
chrUn_JTFH01001407v1_decoy	1668	0	0	0
chrUn_JTFH01001408v1_decoy	1663	0	0	0
chrUn_JTFH01001409v1_decoy	1660	0	0	0
chrUn_JTFH01001410v1_decoy	1660	250	0.1506	0.4886
chrUn_JTFH01001411v1_decoy	1658	0	0	0
chrUn_JTFH01001412v1_decoy	1656	0	0	0
chrUn_JTFH01001413v1_decoy	1656	0	0	0
chrUn_JTFH01001414v1_decoy	1652	0	0	0
chrUn_JTFH01001415v1_decoy	1647	0	0	0
chrUn_JTFH01001416v1_decoy	1645	702	0.4267	1.1267
chrUn_JTFH01001417v1_decoy	1641	0	0	0
chrUn_JTFH01001418v1_decoy	1638	0	0	0
chrUn_JTFH01001419v1_decoy	1633	0	0	0
chrUn_JTFH01001420v1_decoy	1626	250	0.1538	0.457
chrUn_JTFH01001421v1_decoy	1614	0	0	0
chrUn_JTFH01001422v1_decoy	1612	0	0	0
chrUn_JTFH01001423v1_decoy	1605	0	0	0
chrUn_JTFH01001424v1_decoy	1603	125	0.078	0.2681
chrUn_JTFH01001425v1_decoy	1599	1031	0.6448	0.9874
chrUn_JTFH01001426v1_decoy	1589	250	0.1573	0.4817
chrUn_JTFH01001427v1_decoy	1588	0	0	0
chrUn_JTFH01001428v1_decoy	1585	0	0	0
chrUn_JTFH01001429v1_decoy	1584	0	0	0
chrUn_JTFH01001430v1_decoy	1584	1238	0.7816	1.9397
chrUn_JTFH01001431v1_decoy	1580	0	0	0
chrUn_JTFH01001432v1_decoy	1572	0	0	0
chrUn_JTFH01001433v1_decoy	1570	355	0.2261	0.567
chrUn_JTFH01001434v1_decoy	1569	0	0	0
chrUn_JTFH01001435v1_decoy	1568	0	0	0
chrUn_JTFH01001436v1_decoy	1567	0	0	0
chrUn_JTFH01001437v1_decoy	1565	125	0.0799	0.2711
chrUn_JTFH01001438v1_decoy	1559	0	0	0
chrUn_JTFH01001439v1_decoy	1559	0	0	0
chrUn_JTFH01001440v1_decoy	1556	0	0	0
chrUn_JTFH01001441v1_decoy	1554	108	0.0695	0.2543
chrUn_JTFH01001442v1_decoy	1549	0	0	0
chrUn_JTFH01001443v1_decoy	1542	0	0	0

chrUn_JTFH01001444v1_decoy	1541	0	0	0
chrUn_JTFH01001445v1_decoy	1538	0	0	0
chrUn_JTFH01001446v1_decoy	1537	380	0.2472	0.6849
chrUn_JTFH01001447v1_decoy	1535	0	0	0
chrUn_JTFH01001448v1_decoy	1530	250	0.1634	0.4256
chrUn_JTFH01001449v1_decoy	1528	0	0	0
chrUn_JTFH01001450v1_decoy	1522	0	0	0
chrUn_JTFH01001451v1_decoy	1514	0	0	0
chrUn_JTFH01001452v1_decoy	1509	0	0	0
chrUn_JTFH01001453v1_decoy	1507	120	0.0796	0.2707
chrUn_JTFH01001454v1_decoy	1500	0	0	0
chrUn_JTFH01001455v1_decoy	1499	0	0	0
chrUn_JTFH01001456v1_decoy	1499	0	0	0
chrUn_JTFH01001457v1_decoy	1497	0	0	0
chrUn_JTFH01001458v1_decoy	1496	250	0.1671	0.512
chrUn_JTFH01001459v1_decoy	1488	0	0	0
chrUn_JTFH01001460v1_decoy	1486	0	0	0
chrUn_JTFH01001461v1_decoy	1485	0	0	0
chrUn_JTFH01001462v1_decoy	1481	0	0	0
chrUn_JTFH01001463v1_decoy	1479	0	0	0
chrUn_JTFH01001464v1_decoy	1472	0	0	0
chrUn_JTFH01001465v1_decoy	1472	5588	3.7962	8.4902
chrUn_JTFH01001466v1_decoy	1470	0	0	0
chrUn_JTFH01001467v1_decoy	1466	234	0.1596	0.542
chrUn_JTFH01001468v1_decoy	1465	0	0	0
chrUn_JTFH01001469v1_decoy	1461	0	0	0
chrUn_JTFH01001470v1_decoy	1458	0	0	0
chrUn_JTFH01001471v1_decoy	1457	0	0	0
chrUn_JTFH01001472v1_decoy	1448	2143	1.48	1.2369
chrUn_JTFH01001473v1_decoy	1447	0	0	0
chrUn_JTFH01001474v1_decoy	1444	0	0	0
chrUn_JTFH01001475v1_decoy	1443	0	0	0
chrUn_JTFH01001476v1_decoy	1443	0	0	0
chrUn_JTFH01001477v1_decoy	1438	500	0.3477	0.7165
chrUn_JTFH01001478v1_decoy	1432	240	0.1676	0.5542
chrUn_JTFH01001479v1_decoy	1430	0	0	0
chrUn_JTFH01001480v1_decoy	1430	0	0	0
chrUn_JTFH01001481v1_decoy	1429	0	0	0
chrUn_JTFH01001482v1_decoy	1429	0	0	0
chrUn_JTFH01001483v1_decoy	1429	0	0	0
chrUn_JTFH01001484v1_decoy	1426	0	0	0
chrUn_JTFH01001485v1_decoy	1426	0	0	0

chrUn_JTFH01001486v1_decoy	1420	250	0.1761	0.3809
chrUn_JTFH01001487v1_decoy	1416	0	0	0
chrUn_JTFH01001488v1_decoy	1416	0	0	0
chrUn_JTFH01001489v1_decoy	1415	125	0.0883	0.2838
chrUn_JTFH01001490v1_decoy	1415	0	0	0
chrUn_JTFH01001491v1_decoy	1414	0	0	0
chrUn_JTFH01001492v1_decoy	1413	0	0	0
chrUn_JTFH01001493v1_decoy	1410	0	0	0
chrUn_JTFH01001494v1_decoy	1405	0	0	0
chrUn_JTFH01001495v1_decoy	1402	480	0.3424	0.7665
chrUn_JTFH01001496v1_decoy	1398	0	0	0
chrUn_JTFH01001497v1_decoy	1397	0	0	0
chrUn_JTFH01001498v1_decoy	1395	223	0.1599	0.4001
chrUn_JTFH01001499v1_decoy	1392	0	0	0
chrUn_JTFH01001500v1_decoy	1388	0	0	0
chrUn_JTFH01001501v1_decoy	1386	0	0	0
chrUn_JTFH01001502v1_decoy	1382	0	0	0
chrUn_JTFH01001503v1_decoy	1381	0	0	0
chrUn_JTFH01001504v1_decoy	1379	0	0	0
chrUn_JTFH01001505v1_decoy	1376	53	0.0385	0.1924
chrUn_JTFH01001506v1_decoy	1374	0	0	0
chrUn_JTFH01001507v1_decoy	1374	0	0	0
chrUn_JTFH01001508v1_decoy	1373	0	0	0
chrUn_JTFH01001509v1_decoy	1373	0	0	0
chrUn_JTFH01001510v1_decoy	1372	112	0.0816	0.2738
chrUn_JTFH01001511v1_decoy	1370	0	0	0
chrUn_JTFH01001512v1_decoy	1367	0	0	0
chrUn_JTFH01001513v1_decoy	1365	0	0	0
chrUn_JTFH01001514v1_decoy	1364	0	0	0
chrUn_JTFH01001515v1_decoy	1361	0	0	0
chrUn_JTFH01001516v1_decoy	1361	0	0	0
chrUn_JTFH01001517v1_decoy	1355	0	0	0
chrUn_JTFH01001518v1_decoy	1355	0	0	0
chrUn_JTFH01001519v1_decoy	1354	0	0	0
chrUn_JTFH01001520v1_decoy	1353	0	0	0
chrUn_JTFH01001521v1_decoy	1349	0	0	0
chrUn_JTFH01001522v1_decoy	1345	0	0	0
chrUn_JTFH01001523v1_decoy	1344	0	0	0
chrUn_JTFH01001524v1_decoy	1343	0	0	0
chrUn_JTFH01001525v1_decoy	1338	4564	3.4111	5.0088
chrUn_JTFH01001526v1_decoy	1338	0	0	0
chrUn_JTFH01001527v1_decoy	1338	0	0	0

chrUn_JTFH01001528v1_decoy	1336	0	0	0
chrUn_JTFH01001529v1_decoy	1333	0	0	0
chrUn_JTFH01001530v1_decoy	1333	0	0	0
chrUn_JTFH01001531v1_decoy	1332	0	0	0
chrUn_JTFH01001532v1_decoy	1324	210	0.1586	0.5248
chrUn_JTFH01001533v1_decoy	1323	0	0	0
chrUn_JTFH01001534v1_decoy	1323	0	0	0
chrUn_JTFH01001535v1_decoy	1320	0	0	0
chrUn_JTFH01001536v1_decoy	1320	0	0	0
chrUn_JTFH01001537v1_decoy	1317	0	0	0
chrUn_JTFH01001538v1_decoy	1316	0	0	0
chrUn_JTFH01001539v1_decoy	1304	113	0.0867	0.2813
chrUn_JTFH01001540v1_decoy	1304	0	0	0
chrUn_JTFH01001541v1_decoy	1303	0	0	0
chrUn_JTFH01001542v1_decoy	1302	0	0	0
chrUn_JTFH01001543v1_decoy	1301	0	0	0
chrUn_JTFH01001544v1_decoy	1300	0	0	0
chrUn_JTFH01001545v1_decoy	1298	0	0	0
chrUn_JTFH01001546v1_decoy	1297	0	0	0
chrUn_JTFH01001547v1_decoy	1295	0	0	0
chrUn_JTFH01001548v1_decoy	1284	0	0	0
chrUn_JTFH01001549v1_decoy	1283	91	0.0709	0.2567
chrUn_JTFH01001550v1_decoy	1283	0	0	0
chrUn_JTFH01001551v1_decoy	1279	250	0.1955	0.5358
chrUn_JTFH01001552v1_decoy	1278	0	0	0
chrUn_JTFH01001553v1_decoy	1271	500	0.3934	0.5946
chrUn_JTFH01001554v1_decoy	1271	0	0	0
chrUn_JTFH01001555v1_decoy	1268	0	0	0
chrUn_JTFH01001556v1_decoy	1264	0	0	0
chrUn_JTFH01001557v1_decoy	1263	0	0	0
chrUn_JTFH01001558v1_decoy	1262	250	0.1981	0.4473
chrUn_JTFH01001559v1_decoy	1261	500	0.3965	0.8082
chrUn_JTFH01001560v1_decoy	1260	32	0.0254	0.1573
chrUn_JTFH01001561v1_decoy	1259	0	0	0
chrUn_JTFH01001562v1_decoy	1259	0	0	0
chrUn_JTFH01001563v1_decoy	1258	0	0	0
chrUn_JTFH01001564v1_decoy	1256	0	0	0
chrUn_JTFH01001565v1_decoy	1253	125	0.0998	0.2997
chrUn_JTFH01001566v1_decoy	1248	0	0	0
chrUn_JTFH01001567v1_decoy	1248	0	0	0
chrUn_JTFH01001568v1_decoy	1246	0	0	0
chrUn_JTFH01001569v1_decoy	1246	0	0	0

chrUn_JTFH01001570v1_decoy	1244	0	0	0
chrUn_JTFH01001571v1_decoy	1238	0	0	0
chrUn_JTFH01001572v1_decoy	1238	0	0	0
chrUn_JTFH01001573v1_decoy	1236	0	0	0
chrUn_JTFH01001574v1_decoy	1234	0	0	0
chrUn_JTFH01001575v1_decoy	1234	0	0	0
chrUn_JTFH01001576v1_decoy	1231	0	0	0
chrUn_JTFH01001577v1_decoy	1231	0	0	0
chrUn_JTFH01001578v1_decoy	1230	0	0	0
chrUn_JTFH01001579v1_decoy	1230	108	0.0878	0.2806
chrUn_JTFH01001580v1_decoy	1228	0	0	0
chrUn_JTFH01001581v1_decoy	1227	200	0.163	0.5472
chrUn_JTFH01001582v1_decoy	1222	98	0.0802	0.2716
chrUn_JTFH01001583v1_decoy	1222	0	0	0
chrUn_JTFH01001584v1_decoy	1221	0	0	0
chrUn_JTFH01001585v1_decoy	1221	0	0	0
chrUn_JTFH01001586v1_decoy	1220	0	0	0
chrUn_JTFH01001587v1_decoy	1218	0	0	0
chrUn_JTFH01001588v1_decoy	1218	0	0	0
chrUn_JTFH01001589v1_decoy	1216	0	0	0
chrUn_JTFH01001590v1_decoy	1216	0	0	0
chrUn_JTFH01001591v1_decoy	1212	0	0	0
chrUn_JTFH01001592v1_decoy	1210	0	0	0
chrUn_JTFH01001593v1_decoy	1209	0	0	0
chrUn_JTFH01001594v1_decoy	1208	250	0.207	0.4172
chrUn_JTFH01001595v1_decoy	1208	0	0	0
chrUn_JTFH01001596v1_decoy	1206	0	0	0
chrUn_JTFH01001597v1_decoy	1205	0	0	0
chrUn_JTFH01001598v1_decoy	1205	0	0	0
chrUn_JTFH01001599v1_decoy	1202	0	0	0
chrUn_JTFH01001600v1_decoy	1200	0	0	0
chrUn_JTFH01001601v1_decoy	1199	0	0	0
chrUn_JTFH01001602v1_decoy	1198	0	0	0
chrUn_JTFH01001603v1_decoy	1198	250	0.2087	0.4361
chrUn_JTFH01001604v1_decoy	1198	0	0	0
chrUn_JTFH01001605v1_decoy	1195	0	0	0
chrUn_JTFH01001606v1_decoy	1194	0	0	0
chrUn_JTFH01001607v1_decoy	1191	0	0	0
chrUn_JTFH01001608v1_decoy	1189	338	0.2843	0.6219
chrUn_JTFH01001609v1_decoy	1188	250	0.2104	0.5376
chrUn_JTFH01001610v1_decoy	1180	125	0.1059	0.3078
chrUn_JTFH01001611v1_decoy	1180	0	0	0

chrUn_JTFH01001612v1_decoy	1179	0	0	0
chrUn_JTFH01001613v1_decoy	1172	626	0.5341	1.4219
chrUn_JTFH01001614v1_decoy	1168	0	0	0
chrUn_JTFH01001615v1_decoy	1166	0	0	0
chrUn_JTFH01001616v1_decoy	1157	0	0	0
chrUn_JTFH01001617v1_decoy	1156	228	0.1972	0.5963
chrUn_JTFH01001618v1_decoy	1156	0	0	0
chrUn_JTFH01001619v1_decoy	1155	0	0	0
chrUn_JTFH01001620v1_decoy	1154	0	0	0
chrUn_JTFH01001621v1_decoy	1154	0	0	0
chrUn_JTFH01001622v1_decoy	1149	0	0	0
chrUn_JTFH01001623v1_decoy	1143	0	0	0
chrUn_JTFH01001624v1_decoy	1143	0	0	0
chrUn_JTFH01001625v1_decoy	1140	0	0	0
chrUn_JTFH01001626v1_decoy	1137	0	0	0
chrUn_JTFH01001627v1_decoy	1135	0	0	0
chrUn_JTFH01001628v1_decoy	1135	0	0	0
chrUn_JTFH01001629v1_decoy	1135	0	0	0
chrUn_JTFH01001630v1_decoy	1127	0	0	0
chrUn_JTFH01001631v1_decoy	1127	0	0	0
chrUn_JTFH01001632v1_decoy	1126	250	0.222	0.6154
chrUn_JTFH01001633v1_decoy	1123	0	0	0
chrUn_JTFH01001634v1_decoy	1123	0	0	0
chrUn_JTFH01001635v1_decoy	1123	0	0	0
chrUn_JTFH01001636v1_decoy	1122	0	0	0
chrUn_JTFH01001637v1_decoy	1122	0	0	0
chrUn_JTFH01001638v1_decoy	1121	0	0	0
chrUn_JTFH01001639v1_decoy	1121	0	0	0
chrUn_JTFH01001640v1_decoy	1119	0	0	0
chrUn_JTFH01001641v1_decoy	1119	0	0	0
chrUn_JTFH01001642v1_decoy	1119	0	0	0
chrUn_JTFH01001643v1_decoy	1118	0	0	0
chrUn_JTFH01001644v1_decoy	1115	0	0	0
chrUn_JTFH01001645v1_decoy	1106	0	0	0
chrUn_JTFH01001646v1_decoy	1106	0	0	0
chrUn_JTFH01001647v1_decoy	1104	0	0	0
chrUn_JTFH01001648v1_decoy	1102	0	0	0
chrUn_JTFH01001649v1_decoy	1101	0	0	0
chrUn_JTFH01001650v1_decoy	1098	0	0	0
chrUn_JTFH01001651v1_decoy	1098	0	0	0
chrUn_JTFH01001652v1_decoy	1096	0	0	0
chrUn_JTFH01001653v1_decoy	1096	0	0	0

chrUn_JTFH01001654v1_decoy	1095	0	0	0
chrUn_JTFH01001655v1_decoy	1093	0	0	0
chrUn_JTFH01001656v1_decoy	1090	0	0	0
chrUn_JTFH01001657v1_decoy	1089	0	0	0
chrUn_JTFH01001658v1_decoy	1087	0	0	0
chrUn_JTFH01001659v1_decoy	1087	0	0	0
chrUn_JTFH01001660v1_decoy	1085	0	0	0
chrUn_JTFH01001661v1_decoy	1085	0	0	0
chrUn_JTFH01001662v1_decoy	1085	0	0	0
chrUn_JTFH01001663v1_decoy	1083	0	0	0
chrUn_JTFH01001664v1_decoy	1080	0	0	0
chrUn_JTFH01001665v1_decoy	1080	0	0	0
chrUn_JTFH01001666v1_decoy	1079	0	0	0
chrUn_JTFH01001667v1_decoy	1079	0	0	0
chrUn_JTFH01001668v1_decoy	1079	0	0	0
chrUn_JTFH01001669v1_decoy	1075	0	0	0
chrUn_JTFH01001670v1_decoy	1074	0	0	0
chrUn_JTFH01001671v1_decoy	1073	0	0	0
chrUn_JTFH01001672v1_decoy	1070	0	0	0
chrUn_JTFH01001673v1_decoy	1068	0	0	0
chrUn_JTFH01001674v1_decoy	1067	0	0	0
chrUn_JTFH01001675v1_decoy	1066	0	0	0
chrUn_JTFH01001676v1_decoy	1066	0	0	0
chrUn_JTFH01001677v1_decoy	1066	0	0	0
chrUn_JTFH01001678v1_decoy	1063	0	0	0
chrUn_JTFH01001679v1_decoy	1063	124	0.1167	0.321
chrUn_JTFH01001680v1_decoy	1063	1884	1.7723	2.8741
chrUn_JTFH01001681v1_decoy	1062	0	0	0
chrUn_JTFH01001682v1_decoy	1058	0	0	0
chrUn_JTFH01001683v1_decoy	1056	0	0	0
chrUn_JTFH01001684v1_decoy	1052	250	0.2376	0.5919
chrUn_JTFH01001685v1_decoy	1051	0	0	0
chrUn_JTFH01001686v1_decoy	1051	0	0	0
chrUn_JTFH01001687v1_decoy	1050	0	0	0
chrUn_JTFH01001688v1_decoy	1048	0	0	0
chrUn_JTFH01001689v1_decoy	1046	0	0	0
chrUn_JTFH01001690v1_decoy	1046	100	0.0956	0.294
chrUn_JTFH01001691v1_decoy	1045	0	0	0
chrUn_JTFH01001692v1_decoy	1043	0	0	0
chrUn_JTFH01001693v1_decoy	1038	0	0	0
chrUn_JTFH01001694v1_decoy	1036	0	0	0
chrUn_JTFH01001695v1_decoy	1035	0	0	0

chrUn_JTFH01001696v1_decoy	1035	0	0	0
chrUn_JTFH01001697v1_decoy	1035	0	0	0
chrUn_JTFH01001698v1_decoy	1033	0	0	0
chrUn_JTFH01001699v1_decoy	1032	0	0	0
chrUn_JTFH01001700v1_decoy	1031	0	0	0
chrUn_JTFH01001701v1_decoy	1026	316	0.308	0.506
chrUn_JTFH01001702v1_decoy	1026	250	0.2437	0.5417
chrUn_JTFH01001703v1_decoy	1026	0	0	0
chrUn_JTFH01001704v1_decoy	1023	0	0	0
chrUn_JTFH01001705v1_decoy	1022	736	0.7202	1.0117
chrUn_JTFH01001706v1_decoy	1020	0	0	0
chrUn_JTFH01001707v1_decoy	1020	0	0	0
chrUn_JTFH01001708v1_decoy	1020	0	0	0
chrUn_JTFH01001709v1_decoy	1019	0	0	0
chrUn_JTFH01001710v1_decoy	1018	0	0	0
chrUn_JTFH01001711v1_decoy	1018	0	0	0
chrUn_JTFH01001712v1_decoy	1017	0	0	0
chrUn_JTFH01001713v1_decoy	1015	0	0	0
chrUn_JTFH01001714v1_decoy	1015	0	0	0
chrUn_JTFH01001715v1_decoy	1015	0	0	0
chrUn_JTFH01001716v1_decoy	1014	0	0	0
chrUn_JTFH01001717v1_decoy	1014	0	0	0
chrUn_JTFH01001718v1_decoy	1013	0	0	0
chrUn_JTFH01001719v1_decoy	1013	0	0	0
chrUn_JTFH01001720v1_decoy	1013	0	0	0
chrUn_JTFH01001721v1_decoy	1012	0	0	0
chrUn_JTFH01001722v1_decoy	1011	0	0	0
chrUn_JTFH01001723v1_decoy	1011	0	0	0
chrUn_JTFH01001724v1_decoy	1009	0	0	0
chrUn_JTFH01001725v1_decoy	1008	0	0	0
chrUn_JTFH01001726v1_decoy	1008	0	0	0
chrUn_JTFH01001727v1_decoy	1007	0	0	0
chrUn_JTFH01001728v1_decoy	1007	0	0	0
chrUn_JTFH01001729v1_decoy	1007	0	0	0
chrUn_JTFH01001730v1_decoy	1006	0	0	0
chrUn_JTFH01001731v1_decoy	1005	0	0	0
chrUn_JTFH01001732v1_decoy	1003	0	0	0
chrUn_JTFH01001733v1_decoy	1001	206	0.2058	0.6076
chrUn_JTFH01001734v1_decoy	1000	0	0	0
chrUn_JTFH01001735v1_decoy	19311	0	0	0
chrUn_JTFH01001736v1_decoy	11713	125	0.0107	0.1028
chrUn_JTFH01001737v1_decoy	11263	125	0.0111	0.1048

chrUn_JTFH01001738v1_decoy	9779	0	0	0
chrUn_JTFH01001739v1_decoy	9568	0	0	0
chrUn_JTFH01001740v1_decoy	9344	125	0.0134	0.1149
chrUn_JTFH01001741v1_decoy	9188	472	0.0514	0.3463
chrUn_JTFH01001742v1_decoy	9100	249	0.0274	0.1631
chrUn_JTFH01001743v1_decoy	8771	0	0	0
chrUn_JTFH01001744v1_decoy	8690	0	0	0
chrUn_JTFH01001745v1_decoy	8566	0	0	0
chrUn_JTFH01001746v1_decoy	8058	0	0	0
chrUn_JTFH01001747v1_decoy	7759	125	0.0161	0.1259
chrUn_JTFH01001748v1_decoy	7585	182	0.024	0.153
chrUn_JTFH01001749v1_decoy	7471	0	0	0
chrUn_JTFH01001750v1_decoy	7461	0	0	0
chrUn_JTFH01001751v1_decoy	7342	0	0	0
chrUn_JTFH01001752v1_decoy	7223	90	0.0125	0.1109
chrUn_JTFH01001753v1_decoy	7064	250	0.0354	0.2583
chrUn_JTFH01001754v1_decoy	6916	125	0.0181	0.1332
chrUn_JTFH01001755v1_decoy	6897	125	0.0181	0.1334
chrUn_JTFH01001756v1_decoy	6880	73	0.0106	0.1018
chrUn_JTFH01001757v1_decoy	6857	0	0	0
chrUn_JTFH01001758v1_decoy	6840	125	0.0183	0.1339
chrUn_JTFH01001759v1_decoy	6728	0	0	0
chrUn_JTFH01001760v1_decoy	6688	125	0.0187	0.1354
chrUn_JTFH01001761v1_decoy	6553	0	0	0
chrUn_JTFH01001762v1_decoy	6396	125	0.0195	0.1384
chrUn_JTFH01001763v1_decoy	6345	0	0	0
chrUn_JTFH01001764v1_decoy	6295	125	0.0199	0.1395
chrUn_JTFH01001765v1_decoy	6266	0	0	0
chrUn_JTFH01001766v1_decoy	6173	231	0.0374	0.1898
chrUn_JTFH01001767v1_decoy	6171	0	0	0
chrUn_JTFH01001768v1_decoy	6120	0	0	0
chrUn_JTFH01001769v1_decoy	6105	0	0	0
chrUn_JTFH01001770v1_decoy	6099	42	0.0069	0.0827
chrUn_JTFH01001771v1_decoy	5893	119	0.0202	0.1407
chrUn_JTFH01001772v1_decoy	5829	250	0.0429	0.2676
chrUn_JTFH01001773v1_decoy	5793	0	0	0
chrUn_JTFH01001774v1_decoy	5776	0	0	0
chrUn_JTFH01001775v1_decoy	5759	0	0	0
chrUn_JTFH01001776v1_decoy	5716	125	0.0219	0.1463
chrUn_JTFH01001777v1_decoy	5708	0	0	0
chrUn_JTFH01001778v1_decoy	5590	0	0	0
chrUn_JTFH01001779v1_decoy	5566	0	0	0

chrUn_JTFH01001780v1_decoy	5558	1057	0.1902	0.8275
chrUn_JTFH01001781v1_decoy	5418	53	0.0098	0.0984
chrUn_JTFH01001782v1_decoy	5375	125	0.0233	0.1507
chrUn_JTFH01001783v1_decoy	5300	3557	0.6711	1.3982
chrUn_JTFH01001784v1_decoy	5255	0	0	0
chrUn_JTFH01001785v1_decoy	5157	306	0.0593	0.2363
chrUn_JTFH01001786v1_decoy	5130	0	0	0
chrUn_JTFH01001787v1_decoy	4978	0	0	0
chrUn_JTFH01001788v1_decoy	4957	244	0.0492	0.2163
chrUn_JTFH01001789v1_decoy	4947	125	0.0253	0.1569
chrUn_JTFH01001790v1_decoy	4897	121	0.0247	0.1527
chrUn_JTFH01001791v1_decoy	4867	0	0	0
chrUn_JTFH01001792v1_decoy	4845	125	0.0258	0.1585
chrUn_JTFH01001793v1_decoy	4678	0	0	0
chrUn_JTFH01001794v1_decoy	4641	0	0	0
chrUn_JTFH01001795v1_decoy	4592	0	0	0
chrUn_JTFH01001796v1_decoy	4543	0	0	0
chrUn_JTFH01001797v1_decoy	4532	102	0.0225	0.1483
chrUn_JTFH01001798v1_decoy	4503	0	0	0
chrUn_JTFH01001799v1_decoy	4495	120	0.0267	0.1612
chrUn_JTFH01001800v1_decoy	4444	0	0	0
chrUn_JTFH01001801v1_decoy	4414	238	0.0539	0.3239
chrUn_JTFH01001802v1_decoy	4409	0	0	0
chrUn_JTFH01001803v1_decoy	4302	0	0	0
chrUn_JTFH01001804v1_decoy	4300	0	0	0
chrUn_JTFH01001805v1_decoy	4277	0	0	0
chrUn_JTFH01001806v1_decoy	4173	0	0	0
chrUn_JTFH01001807v1_decoy	4169	82	0.0197	0.1389
chrUn_JTFH01001808v1_decoy	4136	0	0	0
chrUn_JTFH01001809v1_decoy	4101	0	0	0
chrUn_JTFH01001810v1_decoy	4089	0	0	0
chrUn_JTFH01001811v1_decoy	4015	0	0	0
chrUn_JTFH01001812v1_decoy	4000	0	0	0
chrUn_JTFH01001813v1_decoy	3973	250	0.0629	0.3237
chrUn_JTFH01001814v1_decoy	3732	0	0	0
chrUn_JTFH01001815v1_decoy	3709	0	0	0
chrUn_JTFH01001816v1_decoy	3686	125	0.0339	0.181
chrUn_JTFH01001817v1_decoy	3676	0	0	0
chrUn_JTFH01001818v1_decoy	3673	0	0	0
chrUn_JTFH01001819v1_decoy	3672	0	0	0
chrUn_JTFH01001820v1_decoy	3633	0	0	0
chrUn_JTFH01001821v1_decoy	3633	0	0	0

chrUn_JTFH01001822v1_decoy	3613	310	0.0858	0.2801
chrUn_JTFH01001823v1_decoy	3605	0	0	0
chrUn_JTFH01001824v1_decoy	3592	0	0	0
chrUn_JTFH01001825v1_decoy	3586	0	0	0
chrUn_JTFH01001826v1_decoy	3584	0	0	0
chrUn_JTFH01001827v1_decoy	3577	0	0	0
chrUn_JTFH01001828v1_decoy	3537	0	0	0
chrUn_JTFH01001829v1_decoy	3510	478	0.1362	0.4052
chrUn_JTFH01001830v1_decoy	3509	0	0	0
chrUn_JTFH01001831v1_decoy	3488	0	0	0
chrUn_JTFH01001832v1_decoy	3473	0	0	0
chrUn_JTFH01001833v1_decoy	3445	0	0	0
chrUn_JTFH01001834v1_decoy	3427	0	0	0
chrUn_JTFH01001835v1_decoy	3395	249	0.0733	0.2607
chrUn_JTFH01001836v1_decoy	3367	0	0	0
chrUn_JTFH01001837v1_decoy	3337	125	0.0375	0.1899
chrUn_JTFH01001838v1_decoy	3324	0	0	0
chrUn_JTFH01001839v1_decoy	3315	0	0	0
chrUn_JTFH01001840v1_decoy	3313	0	0	0
chrUn_JTFH01001841v1_decoy	3283	0	0	0
chrUn_JTFH01001842v1_decoy	3250	0	0	0
chrUn_JTFH01001843v1_decoy	3247	0	0	0
chrUn_JTFH01001844v1_decoy	3237	125	0.0386	0.1927
chrUn_JTFH01001845v1_decoy	3235	0	0	0
chrUn_JTFH01001846v1_decoy	3200	0	0	0
chrUn_JTFH01001847v1_decoy	3195	968	0.303	0.6012
chrUn_JTFH01001848v1_decoy	3175	0	0	0
chrUn_JTFH01001849v1_decoy	3158	125	0.0396	0.195
chrUn_JTFH01001850v1_decoy	3143	0	0	0
chrUn_JTFH01001851v1_decoy	3139	0	0	0
chrUn_JTFH01001852v1_decoy	3138	375	0.1195	0.4248
chrUn_JTFH01001853v1_decoy	3136	0	0	0
chrUn_JTFH01001854v1_decoy	3132	0	0	0
chrUn_JTFH01001855v1_decoy	3132	125	0.0399	0.1957
chrUn_JTFH01001856v1_decoy	3095	0	0	0
chrUn_JTFH01001857v1_decoy	3094	99	0.032	0.176
chrUn_JTFH01001858v1_decoy	3093	0	0	0
chrUn_JTFH01001859v1_decoy	3059	0	0	0
chrUn_JTFH01001860v1_decoy	2985	0	0	0
chrUn_JTFH01001861v1_decoy	2975	0	0	0
chrUn_JTFH01001862v1_decoy	2967	0	0	0
chrUn_JTFH01001863v1_decoy	2961	0	0	0

chrUn_JTFH01001864v1_decoy	2955	0	0	0
chrUn_JTFH01001865v1_decoy	2935	0	0	0
chrUn_JTFH01001866v1_decoy	2933	799	0.2724	1.0123
chrUn_JTFH01001867v1_decoy	2909	0	0	0
chrUn_JTFH01001868v1_decoy	2904	83	0.0286	0.1666
chrUn_JTFH01001869v1_decoy	2892	0	0	0
chrUn_JTFH01001870v1_decoy	2886	655	0.227	0.4868
chrUn_JTFH01001871v1_decoy	2885	0	0	0
chrUn_JTFH01001872v1_decoy	2878	0	0	0
chrUn_JTFH01001873v1_decoy	2875	0	0	0
chrUn_JTFH01001874v1_decoy	2861	250	0.0874	0.3904
chrUn_JTFH01001875v1_decoy	2856	490	0.1716	0.4689
chrUn_JTFH01001876v1_decoy	2838	121	0.0426	0.202
chrUn_JTFH01001877v1_decoy	2801	244	0.0871	0.3539
chrUn_JTFH01001878v1_decoy	2797	609	0.2177	0.5578
chrUn_JTFH01001879v1_decoy	2788	125	0.0448	0.2069
chrUn_JTFH01001880v1_decoy	2773	0	0	0
chrUn_JTFH01001881v1_decoy	2755	0	0	0
chrUn_JTFH01001882v1_decoy	2754	0	0	0
chrUn_JTFH01001883v1_decoy	2743	0	0	0
chrUn_JTFH01001884v1_decoy	2725	125	0.0459	0.2092
chrUn_JTFH01001885v1_decoy	2722	125	0.0459	0.2093
chrUn_JTFH01001886v1_decoy	2682	74	0.0276	0.1638
chrUn_JTFH01001887v1_decoy	2669	0	0	0
chrUn_JTFH01001888v1_decoy	2663	1913	0.7184	1.9976
chrUn_JTFH01001889v1_decoy	2652	250	0.0943	0.2922
chrUn_JTFH01001890v1_decoy	2647	332	0.1254	0.4295
chrUn_JTFH01001891v1_decoy	2635	250	0.0949	0.3615
chrUn_JTFH01001892v1_decoy	2633	0	0	0
chrUn_JTFH01001893v1_decoy	2629	333	0.1267	0.4403
chrUn_JTFH01001894v1_decoy	2612	332	0.1271	0.5575
chrUn_JTFH01001895v1_decoy	2599	0	0	0
chrUn_JTFH01001896v1_decoy	2566	0	0	0
chrUn_JTFH01001897v1_decoy	2556	0	0	0
chrUn_JTFH01001898v1_decoy	2551	708	0.2775	0.6228
chrUn_JTFH01001899v1_decoy	2551	3241	1.2705	3.1532
chrUn_JTFH01001900v1_decoy	2538	661	0.2604	0.6924
chrUn_JTFH01001901v1_decoy	2538	0	0	0
chrUn_JTFH01001902v1_decoy	2525	0	0	0
chrUn_JTFH01001903v1_decoy	2498	125	0.05	0.218
chrUn_JTFH01001904v1_decoy	2496	0	0	0
chrUn_JTFH01001905v1_decoy	2483	0	0	0

chrUn_JTFH01001906v1_decoy	2475	250	0.101	0.3013
chrUn_JTFH01001907v1_decoy	2469	0	0	0
chrUn_JTFH01001908v1_decoy	2455	0	0	0
chrUn_JTFH01001909v1_decoy	2444	0	0	0
chrUn_JTFH01001910v1_decoy	2437	0	0	0
chrUn_JTFH01001911v1_decoy	2435	75	0.0308	0.1728
chrUn_JTFH01001912v1_decoy	2427	0	0	0
chrUn_JTFH01001913v1_decoy	2419	0	0	0
chrUn_JTFH01001914v1_decoy	2413	125	0.0518	0.2216
chrUn_JTFH01001915v1_decoy	2412	497	0.2061	0.5945
chrUn_JTFH01001916v1_decoy	2400	602	0.2508	0.6147
chrUn_JTFH01001917v1_decoy	2399	0	0	0
chrUn_JTFH01001918v1_decoy	2396	125	0.0522	0.2224
chrUn_JTFH01001919v1_decoy	2393	250	0.1045	0.4268
chrUn_JTFH01001920v1_decoy	2386	113	0.0474	0.2124
chrUn_JTFH01001921v1_decoy	2384	0	0	0
chrUn_JTFH01001922v1_decoy	2382	0	0	0
chrUn_JTFH01001923v1_decoy	2382	0	0	0
chrUn_JTFH01001924v1_decoy	2367	0	0	0
chrUn_JTFH01001925v1_decoy	2366	0	0	0
chrUn_JTFH01001926v1_decoy	2362	125	0.0529	0.2239
chrUn_JTFH01001927v1_decoy	2361	0	0	0
chrUn_JTFH01001928v1_decoy	2353	0	0	0
chrUn_JTFH01001929v1_decoy	2349	9472	4.0324	5.8053
chrUn_JTFH01001930v1_decoy	2348	0	0	0
chrUn_JTFH01001931v1_decoy	2340	1276	0.5453	1.2817
chrUn_JTFH01001932v1_decoy	2339	0	0	0
chrUn_JTFH01001933v1_decoy	2336	0	0	0
chrUn_JTFH01001934v1_decoy	2333	0	0	0
chrUn_JTFH01001935v1_decoy	2330	0	0	0
chrUn_JTFH01001936v1_decoy	2327	0	0	0
chrUn_JTFH01001937v1_decoy	2318	216	0.0932	0.2907
chrUn_JTFH01001938v1_decoy	2293	0	0	0
chrUn_JTFH01001939v1_decoy	2292	0	0	0
chrUn_JTFH01001940v1_decoy	2287	125	0.0547	0.2273
chrUn_JTFH01001941v1_decoy	2274	163	0.0717	0.3492
chrUn_JTFH01001942v1_decoy	2274	125	0.055	0.2279
chrUn_JTFH01001943v1_decoy	2267	0	0	0
chrUn_JTFH01001944v1_decoy	2260	0	0	0
chrUn_JTFH01001945v1_decoy	2257	0	0	0
chrUn_JTFH01001946v1_decoy	2240	0	0	0
chrUn_JTFH01001947v1_decoy	2239	0	0	0

chrUn_JTFH01001948v1_decoy	2232	714	0.3199	0.8726
chrUn_JTFH01001949v1_decoy	2230	500	0.2242	0.5306
chrUn_JTFH01001950v1_decoy	2230	0	0	0
chrUn_JTFH01001951v1_decoy	2222	0	0	0
chrUn_JTFH01001952v1_decoy	2216	0	0	0
chrUn_JTFH01001953v1_decoy	2214	250	0.1129	0.3704
chrUn_JTFH01001954v1_decoy	2210	99	0.0448	0.2069
chrUn_JTFH01001955v1_decoy	2203	0	0	0
chrUn_JTFH01001956v1_decoy	2197	125	0.0569	0.2316
chrUn_JTFH01001957v1_decoy	2196	0	0	0
chrUn_JTFH01001958v1_decoy	2196	0	0	0
chrUn_JTFH01001959v1_decoy	2179	390	0.179	0.6312
chrUn_JTFH01001960v1_decoy	2178	504	0.2314	0.9209
chrUn_JTFH01001961v1_decoy	2178	1230	0.5647	0.6975
chrUn_JTFH01001962v1_decoy	2172	0	0	0
chrUn_JTFH01001963v1_decoy	2170	375	0.1728	0.4635
chrUn_JTFH01001964v1_decoy	2167	0	0	0
chrUn_JTFH01001965v1_decoy	2167	0	0	0
chrUn_JTFH01001966v1_decoy	2157	119	0.0552	0.2283
chrUn_JTFH01001967v1_decoy	2153	0	0	0
chrUn_JTFH01001968v1_decoy	2151	0	0	0
chrUn_JTFH01001969v1_decoy	2147	0	0	0
chrUn_JTFH01001970v1_decoy	2145	0	0	0
chrUn_JTFH01001971v1_decoy	2142	0	0	0
chrUn_JTFH01001972v1_decoy	2142	241	0.1125	0.431
chrUn_JTFH01001973v1_decoy	2136	1848	0.8652	1.9101
chrUn_JTFH01001974v1_decoy	2130	988	0.4638	1.1345
chrUn_JTFH01001975v1_decoy	2128	0	0	0
chrUn_JTFH01001976v1_decoy	2126	0	0	0
chrUn_JTFH01001977v1_decoy	2126	0	0	0
chrUn_JTFH01001978v1_decoy	2119	202	0.0953	0.2937
chrUn_JTFH01001979v1_decoy	2107	250	0.1187	0.4509
chrUn_JTFH01001980v1_decoy	2091	250	0.1196	0.3244
chrUn_JTFH01001981v1_decoy	2087	857	0.4106	0.867
chrUn_JTFH01001982v1_decoy	2086	192	0.092	0.2884
chrUn_JTFH01001983v1_decoy	2083	0	0	0
chrUn_JTFH01001984v1_decoy	2075	225	0.1084	0.4099
chrUn_JTFH01001985v1_decoy	2075	750	0.3614	0.6575
chrUn_JTFH01001986v1_decoy	2072	0	0	0
chrUn_JTFH01001987v1_decoy	2068	354	0.1712	0.3758
chrUn_JTFH01001988v1_decoy	2067	0	0	0
chrUn_JTFH01001989v1_decoy	2055	0	0	0

chrUn_JTFH01001990v1_decoy	2051	0	0	0
chrUn_JTFH01001991v1_decoy	2050	292	0.1424	0.6154
chrUn_JTFH01001992v1_decoy	2033	0	0	0
chrUn_JTFH01001993v1_decoy	2024	0	0	0
chrUn_JTFH01001994v1_decoy	2016	0	0	0
chrUn_JTFH01001995v1_decoy	2011	375	0.1865	0.4972
chrUn_JTFH01001996v1_decoy	2009	0	0	0
chrUn_JTFH01001997v1_decoy	2003	474	0.2366	0.6317
chrUn_JTFH01001998v1_decoy	2001	468	0.2339	0.6819
HLA-A*01:01:01:01	3503	1494	0.4265	0.8436
HLA-A*01:01:01:02N	3291	500	0.1519	0.544
HLA-A*01:01:38L	3374	750	0.2223	0.6975
HLA-A*01:02	3374	0	0	0
HLA-A*01:03	3503	496	0.1416	0.4849
HLA-A*01:04N	3136	250	0.0797	0.359
HLA-A*01:09	3105	1178	0.3794	0.9124
HLA-A*01:11N	3374	1220	0.3616	0.8478
HLA-A*01:14	3095	0	0	0
HLA-A*01:16N	2985	250	0.0838	0.372
HLA-A*01:20	3105	238	0.0767	0.384
HLA-A*02:01:01:01	3517	250	0.0711	0.3578
HLA-A*02:01:01:02L	3287	0	0	0
HLA-A*02:01:01:03	3023	0	0	0
HLA-A*02:01:01:04	3516	125	0.0356	0.1852
HLA-A*02:02:01	2917	0	0	0
HLA-A*02:03:01	3517	250	0.0711	0.3473
HLA-A*02:03:03	3148	0	0	0
HLA-A*02:05:01	3517	494	0.1405	0.4877
HLA-A*02:06:01	3517	0	0	0
HLA-A*02:07:01	3517	0	0	0
HLA-A*02:10	3517	0	0	0
HLA-A*02:251	3517	250	0.0711	0.3562
HLA-A*02:259	2978	0	0	0
HLA-A*02:264	3002	0	0	0
HLA-A*02:265	3148	0	0	0
HLA-A*02:266	3084	0	0	0
HLA-A*02:269	3101	0	0	0
HLA-A*02:279	3103	0	0	0
HLA-A*02:32N	3517	0	0	0
HLA-A*02:376	3104	0	0	0
HLA-A*02:43N	3218	0	0	0
HLA-A*02:455	3118	0	0	0

HLA-A*02:48	3517	0	0	0
HLA-A*02:51	3109	0	0	0
HLA-A*02:533	3217	250	0.0777	0.3734
HLA-A*02:53N	3305	0	0	0
HLA-A*02:57	3054	0	0	0
HLA-A*02:60:01	3112	0	0	0
HLA-A*02:65	3387	250	0.0738	0.3545
HLA-A*02:68	3109	250	0.0804	0.2719
HLA-A*02:77	3371	0	0	0
HLA-A*02:81	3309	204	0.0617	0.3457
HLA-A*02:89	3371	250	0.0742	0.3117
HLA-A*02:95	3388	0	0	0
HLA-A*03:01:01:01	3502	500	0.1428	0.4343
HLA-A*03:01:01:02N	3373	875	0.2594	0.6246
HLA-A*03:01:01:03	3094	995	0.3216	0.8411
HLA-A*03:02:01	3502	500	0.1428	0.5732
HLA-A*03:11N	3404	250	0.0734	0.2937
HLA-A*03:21N	3095	750	0.2423	0.7782
HLA-A*03:36N	3142	0	0	0
HLA-A*11:01:01	3503	5625	1.6058	2.2016
HLA-A*11:01:18	3503	3636	1.038	1.5595
HLA-A*11:02:01	3503	5611	1.6018	2.7755
HLA-A*11:05	3373	3410	1.011	1.3442
HLA-A*11:110	2903	1750	0.6028	1.3416
HLA-A*11:25	3073	2982	0.9704	1.1387
HLA-A*11:50Q	3362	7875	2.3424	5.5525
HLA-A*11:60	3241	2448	0.7553	1.1716
HLA-A*11:69N	3500	3325	0.95	1.4658
HLA-A*11:74	3227	4471	1.3855	1.7494
HLA-A*11:75	3184	4102	1.2883	1.9919
HLA-A*11:77	3233	4494	1.39	1.7427
HLA-A*23:01:01	3502	125	0.0357	0.1855
HLA-A*23:09	3104	0	0	0
HLA-A*23:38N	3020	0	0	0
HLA-A*24:02:01:01	3502	0	0	0
HLA-A*24:02:01:02L	3502	0	0	0
HLA-A*24:02:01:03	3075	0	0	0
HLA-A*24:02:03Q	3247	0	0	0
HLA-A*24:02:10	3356	0	0	0
HLA-A*24:03:01	3502	250	0.0714	0.338
HLA-A*24:07:01	3502	250	0.0714	0.3585
HLA-A*24:08	3502	250	0.0714	0.338

HLA-A*24:09N	3502	250	0.0714	0.3625
HLA-A*24:10:01	3502	0	0	0
HLA-A*24:11N	3503	0	0	0
HLA-A*24:152	3176	250	0.0787	0.3672
HLA-A*24:20	3502	250	0.0714	0.3648
HLA-A*24:215	3116	0	0	0
HLA-A*24:61	3043	240	0.0789	0.3893
HLA-A*24:86N	3415	0	0	0
HLA-A*25:01:01	2917	0	0	0
HLA-A*26:01:01	3517	488	0.1388	0.477
HLA-A*26:11N	3091	0	0	0
HLA-A*26:15	3217	0	0	0
HLA-A*26:50	3141	220	0.07	0.3677
HLA-A*29:01:01:01	3518	748	0.2126	0.6418
HLA-A*29:01:01:02N	3303	1601	0.4847	1.0594
HLA-A*29:02:01:01	3518	1000	0.2843	0.7133
HLA-A*29:02:01:02	3518	1490	0.4235	1.1268
HLA-A*29:46	3310	2125	0.642	1.0519
HLA-A*30:01:01	3503	0	0	0
HLA-A*30:02:01:01	2903	222	0.0765	0.3835
HLA-A*30:02:01:02	3374	500	0.1482	0.421
HLA-A*30:04:01	3503	0	0	0
HLA-A*30:89	2903	490	0.1688	0.7687
HLA-A*31:01:02	3518	250	0.0711	0.3648
HLA-A*31:01:23	2918	0	0	0
HLA-A*31:04	2918	0	0	0
HLA-A*31:14N	3090	0	0	0
HLA-A*31:46	3075	0	0	0
HLA-A*32:01:01	3518	750	0.2132	0.6204
HLA-A*32:06	3389	734	0.2166	0.6148
HLA-A*33:01:01	3518	0	0	0
HLA-A*33:03:01	3518	0	0	0
HLA-A*33:07	3389	250	0.0738	0.3706
HLA-A*34:01:01	3517	238	0.0677	0.3616
HLA-A*34:02:01	3096	366	0.1182	0.3239
HLA-A*36:01	2903	1242	0.4278	0.921
HLA-A*43:01	3388	0	0	0
HLA-A*66:01:01	3517	250	0.0711	0.3046
HLA-A*66:17	3075	0	0	0
HLA-A*68:01:01:01	2930	0	0	0
HLA-A*68:01:01:02	3517	250	0.0711	0.3407
HLA-A*68:01:02:01	3517	0	0	0

HLA-A*68:01:02:02	3388	0	0	0
HLA-A*68:02:01:01	3517	0	0	0
HLA-A*68:02:01:02	3506	0	0	0
HLA-A*68:02:01:03	2909	0	0	0
HLA-A*68:02:02	2916	0	0	0
HLA-A*68:03:01	2917	0	0	0
HLA-A*68:08:01	3120	0	0	0
HLA-A*68:113	3070	0	0	0
HLA-A*68:17	3134	0	0	0
HLA-A*68:18N	3237	0	0	0
HLA-A*68:22	3119	0	0	0
HLA-A*68:71	3198	0	0	0
HLA-A*69:01	2917	0	0	0
HLA-A*74:01	2918	0	0	0
HLA-A*74:02:01:01	2918	0	0	0
HLA-A*74:02:01:02	3518	0	0	0
HLA-A*80:01:01:01	3263	0	0	0
HLA-A*80:01:01:02	3055	0	0	0
HLA-B*07:02:01	3323	0	0	0
HLA-B*07:05:01	2676	250	0.0934	0.4149
HLA-B*07:06	2676	250	0.0934	0.3993
HLA-B*07:156	2967	250	0.0843	0.3648
HLA-B*07:33:01	3239	375	0.1158	0.4036
HLA-B*07:41	3266	0	0	0
HLA-B*07:44	3270	250	0.0765	0.3359
HLA-B*07:50	3323	0	0	0
HLA-B*08:01:01	3322	4924	1.4822	1.9856
HLA-B*08:08N	3035	1978	0.6517	1.5322
HLA-B*08:132	2675	1750	0.6542	0.9708
HLA-B*08:134	2959	3244	1.0963	1.5507
HLA-B*08:19N	3322	1982	0.5966	0.9597
HLA-B*08:20	3322	2866	0.8627	1.5159
HLA-B*08:33	3322	1698	0.5111	0.9417
HLA-B*08:79	2676	1236	0.4619	1.1764
HLA-B*13:01:01	3324	250	0.0752	0.3241
HLA-B*13:02:01	3324	500	0.1504	0.4727
HLA-B*13:02:03	3323	0	0	0
HLA-B*13:02:09	2919	0	0	0
HLA-B*13:08	3324	0	0	0
HLA-B*13:15	3323	0	0	0
HLA-B*13:25	2689	250	0.093	0.4121
HLA-B*14:01:01	3312	250	0.0755	0.3682

HLA-B*14:02:01	3312	250	0.0755	0.36
HLA-B*14:07N	3255	0	0	0
HLA-B*15:01:01:01	3336	0	0	0
HLA-B*15:01:01:02N	1208	0	0	0
HLA-B*15:01:01:03	3026	0	0	0
HLA-B*15:02:01	3335	0	0	0
HLA-B*15:03:01	2689	0	0	0
HLA-B*15:04:01	3052	0	0	0
HLA-B*15:07:01	3336	0	0	0
HLA-B*15:108	3283	0	0	0
HLA-B*15:10:01	2689	650	0.2417	0.8156
HLA-B*15:11:01	3336	0	0	0
HLA-B*15:13:01	2688	0	0	0
HLA-B*15:16:01	2688	0	0	0
HLA-B*15:17:01:01	3051	0	0	0
HLA-B*15:17:01:02	3051	0	0	0
HLA-B*15:18:01	3336	0	0	0
HLA-B*15:220	2878	0	0	0
HLA-B*15:25:01	3335	0	0	0
HLA-B*15:27:01	2689	0	0	0
HLA-B*15:32:01	3336	0	0	0
HLA-B*15:42	3333	250	0.075	0.347
HLA-B*15:58	3336	0	0	0
HLA-B*15:66	2902	0	0	0
HLA-B*15:77	3336	250	0.0749	0.3263
HLA-B*15:83	3337	0	0	0
HLA-B*18:01:01:01	3323	0	0	0
HLA-B*18:01:01:02	3323	0	0	0
HLA-B*18:02	2686	0	0	0
HLA-B*18:03	3323	0	0	0
HLA-B*18:17N	2979	250	0.0839	0.3093
HLA-B*18:26	3323	0	0	0
HLA-B*18:94N	2970	0	0	0
HLA-B*27:04:01	3325	0	0	0
HLA-B*27:05:02	3325	0	0	0
HLA-B*27:05:18	3321	0	0	0
HLA-B*27:06	3325	0	0	0
HLA-B*27:07:01	2677	0	0	0
HLA-B*27:131	3325	0	0	0
HLA-B*27:24	2677	0	0	0
HLA-B*27:25	2677	0	0	0
HLA-B*27:32	3325	0	0	0

HLA-B*35:01:01:01	3327	0	0	0
HLA-B*35:01:01:02	3327	0	0	0
HLA-B*35:01:22	2806	0	0	0
HLA-B*35:02:01	3327	0	0	0
HLA-B*35:03:01	2689	0	0	0
HLA-B*35:05:01	2690	0	0	0
HLA-B*35:08:01	2689	250	0.093	0.4175
HLA-B*35:14:02	3327	0	0	0
HLA-B*35:241	3042	0	0	0
HLA-B*35:41	3327	0	0	0
HLA-B*37:01:01	3324	0	0	0
HLA-B*37:01:05	2687	250	0.093	0.2905
HLA-B*38:01:01	3312	0	0	0
HLA-B*38:02:01	3312	480	0.1449	0.5185
HLA-B*38:14	2738	0	0	0
HLA-B*39:01:01:01	3155	0	0	0
HLA-B*39:01:01:02L	3153	250	0.0793	0.338
HLA-B*39:01:01:03	3312	214	0.0646	0.3536
HLA-B*39:01:03	3155	232	0.0735	0.3764
HLA-B*39:01:16	3155	0	0	0
HLA-B*39:01:21	3312	250	0.0755	0.2944
HLA-B*39:05:01	2675	0	0	0
HLA-B*39:06:02	2674	0	0	0
HLA-B*39:10:01	3027	250	0.0826	0.3887
HLA-B*39:13:02	3255	250	0.0768	0.3754
HLA-B*39:14	2765	466	0.1685	0.5543
HLA-B*39:34	3254	0	0	0
HLA-B*39:38Q	2675	0	0	0
HLA-B*40:01:01	2676	490	0.1831	0.6015
HLA-B*40:01:02	3323	250	0.0752	0.3396
HLA-B*40:02:01	3258	210	0.0645	0.3532
HLA-B*40:03	2677	500	0.1868	0.4838
HLA-B*40:06:01:01	3325	750	0.2256	0.7322
HLA-B*40:06:01:02	3299	0	0	0
HLA-B*40:10:01	3304	250	0.0757	0.3752
HLA-B*40:150	2800	0	0	0
HLA-B*40:40	2677	474	0.1771	0.5293
HLA-B*40:72:01	3283	750	0.2284	0.5641
HLA-B*40:79	3257	0	0	0
HLA-B*41:01:01	3322	1928	0.5804	0.9959
HLA-B*41:02:01	3322	1500	0.4515	0.8687
HLA-B*42:01:01	3322	2750	0.8278	1.7041

HLA-B*42:02	2675	468	0.175	0.711
HLA-B*42:08	3165	1474	0.4657	0.8653
HLA-B*44:02:01:01	3323	0	0	0
HLA-B*44:02:01:02S	3152	250	0.0793	0.3754
HLA-B*44:02:01:03	3152	0	0	0
HLA-B*44:02:17	3323	250	0.0752	0.3333
HLA-B*44:02:27	2872	0	0	0
HLA-B*44:03:01	3323	228	0.0686	0.364
HLA-B*44:03:02	2676	0	0	0
HLA-B*44:04	3239	0	0	0
HLA-B*44:09	3317	0	0	0
HLA-B*44:138Q	3043	250	0.0822	0.3559
HLA-B*44:150	2676	0	0	0
HLA-B*44:23N	3323	250	0.0752	0.3677
HLA-B*44:26	2804	0	0	0
HLA-B*44:46	3323	250	0.0752	0.3422
HLA-B*44:49	3039	250	0.0823	0.2748
HLA-B*44:56N	2676	250	0.0934	0.4012
HLA-B*45:01:01	3338	472	0.1414	0.5126
HLA-B*45:04	3339	974	0.2917	0.6558
HLA-B*46:01:01	3336	0	0	0
HLA-B*46:01:05	2891	0	0	0
HLA-B*47:01:01:01	3041	0	0	0
HLA-B*47:01:01:02	3041	214	0.0704	0.3685
HLA-B*48:01:01	3323	240	0.0722	0.3731
HLA-B*48:03:01	2676	0	0	0
HLA-B*48:04	2676	250	0.0934	0.4158
HLA-B*48:08	3323	0	0	0
HLA-B*49:01:01	3340	1250	0.3743	0.9025
HLA-B*49:32	3340	375	0.1123	0.3755
HLA-B*50:01:01	3340	625	0.1871	0.4138
HLA-B*51:01:01	3327	0	0	0
HLA-B*51:01:02	3043	0	0	0
HLA-B*51:02:01	3327	0	0	0
HLA-B*51:07:01	3327	0	0	0
HLA-B*51:42	2962	500	0.1688	0.7404
HLA-B*52:01:01:01	3327	0	0	0
HLA-B*52:01:01:02	3327	122	0.0367	0.1879
HLA-B*52:01:01:03	3327	0	0	0
HLA-B*52:01:02	3327	0	0	0
HLA-B*53:01:01	3327	0	0	0
HLA-B*53:11	3274	0	0	0

HLA-B*54:01:01	3332	250	0.075	0.2634
HLA-B*54:18	2813	0	0	0
HLA-B*55:01:01	3332	0	0	0
HLA-B*55:01:03	3332	250	0.075	0.3777
HLA-B*55:02:01	3333	0	0	0
HLA-B*55:12	3332	0	0	0
HLA-B*55:24	3332	0	0	0
HLA-B*55:48	2980	0	0	0
HLA-B*56:01:01	2688	0	0	0
HLA-B*56:03	2688	0	0	0
HLA-B*56:04	2688	0	0	0
HLA-B*57:01:01	3337	0	0	0
HLA-B*57:03:01	2689	0	0	0
HLA-B*57:06	3284	250	0.0761	0.3747
HLA-B*57:11	3306	0	0	0
HLA-B*57:29	3337	480	0.1438	0.4383
HLA-B*58:01:01	3336	0	0	0
HLA-B*58:31N	3004	0	0	0
HLA-B*59:01:01:01	3333	0	0	0
HLA-B*59:01:01:02	3332	0	0	0
HLA-B*67:01:01	3312	500	0.151	0.522
HLA-B*67:01:02	2675	966	0.3611	0.921
HLA-B*67:02	3307	0	0	0
HLA-B*73:01	3323	0	0	0
HLA-B*78:01:01	3327	605	0.1818	0.6577
HLA-B*81:01	2676	0	0	0
HLA-B*82:02:01	3050	250	0.082	0.2743
HLA-C*01:02:01	3349	0	0	0
HLA-C*01:02:11	3057	0	0	0
HLA-C*01:02:29	3349	0	0	0
HLA-C*01:02:30	3333	0	0	0
HLA-C*01:03	3349	0	0	0
HLA-C*01:06	2895	0	0	0
HLA-C*01:08	3349	0	0	0
HLA-C*01:14	2895	0	0	0
HLA-C*01:21	2895	212	0.0732	0.3756
HLA-C*01:30	3349	0	0	0
HLA-C*01:40	2968	0	0	0
HLA-C*02:02:02:01	3347	0	0	0
HLA-C*02:02:02:02	3347	0	0	0
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HLA-C*02:16:02	3029	0	0	0
HLA-C*02:69	2933	0	0	0
HLA-C*02:85	3347	0	0	0
HLA-C*02:86	3347	0	0	0
HLA-C*02:87	3064	0	0	0
HLA-C*03:02:01	2894	0	0	0
HLA-C*03:02:02:01	3348	0	0	0
HLA-C*03:02:02:02	2896	0	0	0
HLA-C*03:02:02:03	3348	0	0	0
HLA-C*03:03:01	3348	0	0	0
HLA-C*03:04:01:01	3348	0	0	0
HLA-C*03:04:01:02	3348	0	0	0
HLA-C*03:04:02	2877	0	0	0
HLA-C*03:04:04	2966	0	0	0
HLA-C*03:05	2894	0	0	0
HLA-C*03:06	2894	0	0	0
HLA-C*03:100	3034	0	0	0
HLA-C*03:13:01	3065	0	0	0
HLA-C*03:20N	3321	0	0	0
HLA-C*03:219	3070	0	0	0
HLA-C*03:261	3348	0	0	0
HLA-C*03:40:01	2894	0	0	0
HLA-C*03:41:02	3328	0	0	0
HLA-C*03:46	2997	0	0	0
HLA-C*03:61	2894	0	0	0
HLA-C*04:01:01:01	3349	250	0.0746	0.2628
HLA-C*04:01:01:02	3349	0	0	0
HLA-C*04:01:01:03	3349	0	0	0
HLA-C*04:01:01:04	3012	0	0	0
HLA-C*04:01:01:05	2931	226	0.0771	0.3851
HLA-C*04:01:62	3329	0	0	0
HLA-C*04:03:01	3349	0	0	0
HLA-C*04:06	3349	0	0	0
HLA-C*04:09N	2991	0	0	0
HLA-C*04:128	3086	250	0.081	0.3376
HLA-C*04:161	3237	0	0	0
HLA-C*04:177	3349	0	0	0
HLA-C*04:70	3058	0	0	0
HLA-C*04:71	3086	0	0	0
HLA-C*05:01:01:01	3349	0	0	0
HLA-C*05:01:01:02	3349	0	0	0
HLA-C*05:08	3059	0	0	0

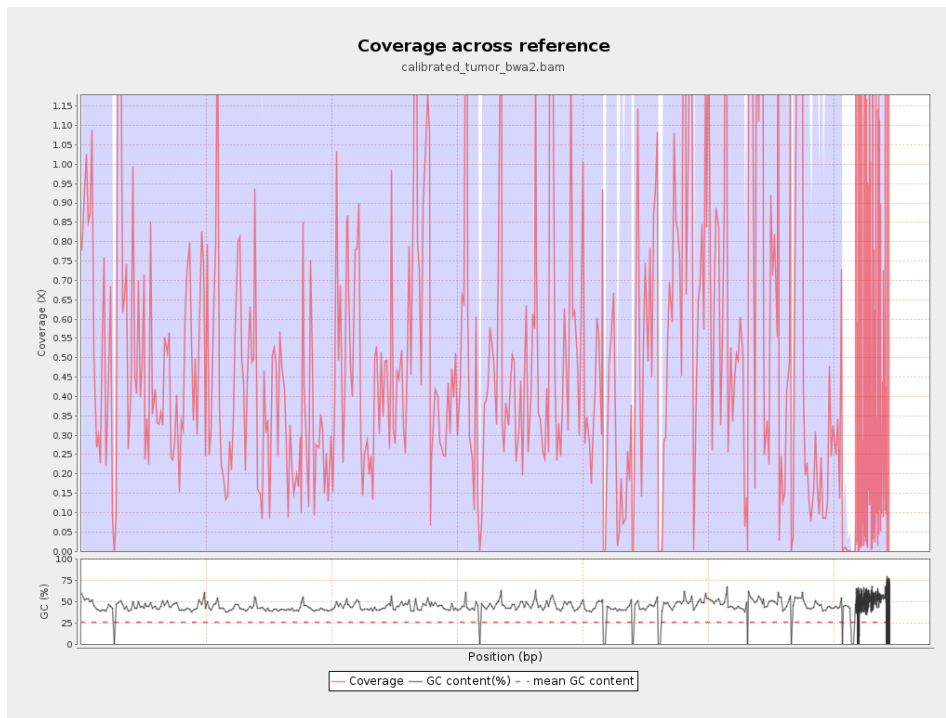
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HLA-C*06:23	3349	728	0.2174	0.5798
HLA-C*06:24	3349	375	0.112	0.386
HLA-C*06:46N	2987	622	0.2082	0.7747
HLA-C*07:01:01:01	3354	1466	0.4371	1.0203
HLA-C*07:01:01:02	3093	1250	0.4041	0.7694
HLA-C*07:01:02	3352	1750	0.5221	0.8726
HLA-C*07:01:19	3354	1855	0.5531	1.0025
HLA-C*07:01:27	3195	1250	0.3912	0.7057
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HLA-C*07:02:01:01	3354	1250	0.3727	0.7621
HLA-C*07:02:01:02	3074	250	0.0813	0.3468
HLA-C*07:02:01:03	3354	250	0.0745	0.3057
HLA-C*07:02:01:04	3353	1875	0.5592	0.9843
HLA-C*07:02:01:05	3354	1125	0.3354	0.623
HLA-C*07:02:05	2903	500	0.1722	0.4987
HLA-C*07:02:06	3354	875	0.2609	0.6568
HLA-C*07:02:64	3354	496	0.1479	0.5018
HLA-C*07:04:01	3354	500	0.1491	0.4284
HLA-C*07:04:02	3343	500	0.1496	0.5894
HLA-C*07:06	3354	1250	0.3727	0.7273
HLA-C*07:149	3098	500	0.1614	0.4812
HLA-C*07:18	3353	1500	0.4474	0.7021
HLA-C*07:19	3222	1246	0.3867	0.8645
HLA-C*07:26	3069	868	0.2828	0.6048
HLA-C*07:30	2903	1250	0.4306	1.0597
HLA-C*07:32N	3334	468	0.1404	0.4622
HLA-C*07:384	3349	500	0.1493	0.4647
HLA-C*07:385	3354	1422	0.424	0.9161
HLA-C*07:386	3183	1464	0.4599	0.8561
HLA-C*07:391	3354	250	0.0745	0.366
HLA-C*07:392	3354	1000	0.2982	0.6516
HLA-C*07:49	2935	500	0.1704	0.5453
HLA-C*07:56:02	3354	1218	0.3631	0.8391
HLA-C*07:66	3354	500	0.1491	0.3587
HLA-C*07:67	3354	500	0.1491	0.438
HLA-C*08:01:01	3349	250	0.0746	0.3444
HLA-C*08:01:03	2998	0	0	0

HLA-C*08:02:01:01	3349	0	0	0
HLA-C*08:02:01:02	3349	0	0	0
HLA-C*08:03:01	3349	0	0	0
HLA-C*08:04:01	2895	250	0.0864	0.3285
HLA-C*08:112	3178	0	0	0
HLA-C*08:20	3349	0	0	0
HLA-C*08:21	3349	0	0	0
HLA-C*08:22	3349	250	0.0746	0.3145
HLA-C*08:24	2895	0	0	0
HLA-C*08:27	3349	0	0	0
HLA-C*08:36N	3097	250	0.0807	0.3399
HLA-C*08:40	2978	0	0	0
HLA-C*08:41	3019	250	0.0828	0.318
HLA-C*08:62	3086	0	0	0
HLA-C*12:02:02	3349	0	0	0
HLA-C*12:03:01:01	3349	250	0.0746	0.2783
HLA-C*12:03:01:02	3348	211	0.063	0.3296
HLA-C*12:08	3066	0	0	0
HLA-C*12:13	3058	250	0.0818	0.3624
HLA-C*12:19	3349	500	0.1493	0.4596
HLA-C*12:22	2895	250	0.0864	0.3719
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HLA-C*14:02:01	3349	0	0	0
HLA-C*14:03	3349	0	0	0
HLA-C*14:21N	3099	0	0	0
HLA-C*14:23	2976	0	0	0
HLA-C*15:02:01	3349	0	0	0
HLA-C*15:05:01	3349	0	0	0
HLA-C*15:05:02	3349	250	0.0746	0.2628
HLA-C*15:13	2895	250	0.0864	0.3306
HLA-C*15:16	3066	0	0	0
HLA-C*15:17	3349	0	0	0
HLA-C*15:96Q	3349	0	0	0
HLA-C*16:01:01	3349	250	0.0746	0.3703
HLA-C*16:02:01	2895	0	0	0
HLA-C*16:04:01	3349	0	0	0
HLA-C*17:01:01:01	3368	0	0	0
HLA-C*17:01:01:02	3368	0	0	0
HLA-C*17:01:01:03	3368	0	0	0
HLA-C*17:03	3197	0	0	0
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HLA-DQA1*01:01:02	6489	0	0	0

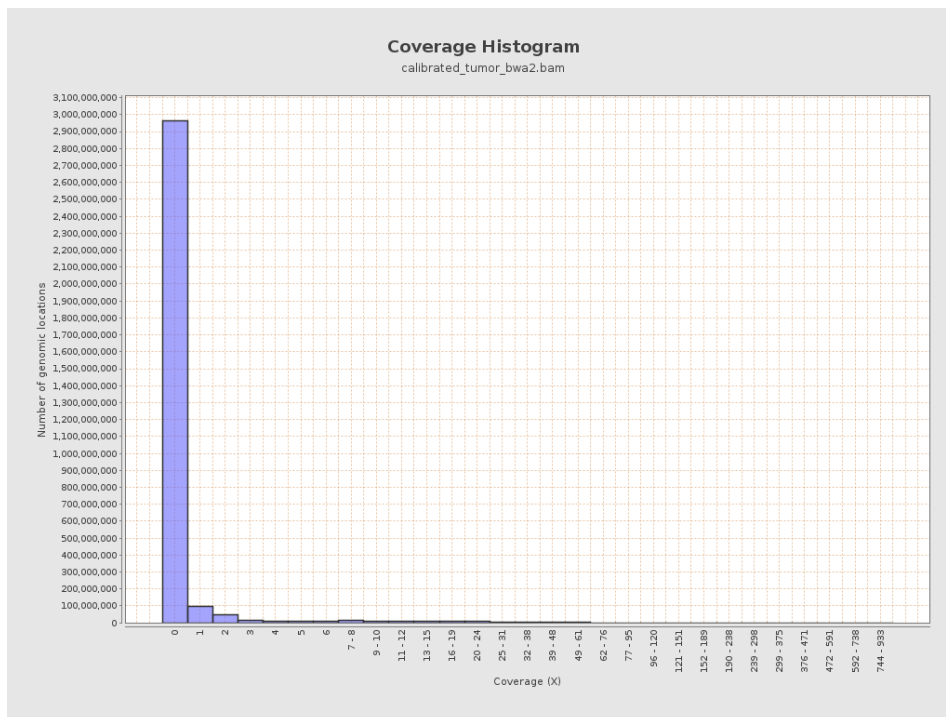
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HLA-DQA1*01:04:01:01	6484	0	0	0
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HLA-DQA1*01:07	5959	0	0	0
HLA-DQA1*01:10	5790	0	0	0
HLA-DQA1*01:11	5926	0	0	0
HLA-DQA1*02:01	6403	0	0	0
HLA-DQA1*03:01:01	6437	1480	0.2299	0.7482
HLA-DQA1*03:02	6437	1000	0.1554	0.6153
HLA-DQA1*03:03:01	6437	1250	0.1942	0.6362
HLA-DQA1*04:01:02:01	5853	970	0.1657	0.8105
HLA-DQA1*04:01:02:02	5666	125	0.0221	0.1469
HLA-DQA1*04:02	6210	162	0.0261	0.2269
HLA-DQA1*05:01:01:01	5806	2125	0.366	0.9537
HLA-DQA1*05:01:01:02	6529	2736	0.4191	1.1954
HLA-DQA1*05:03	6121	2468	0.4032	1.0096
HLA-DQA1*05:05:01:01	6593	1998	0.303	1.1136
HLA-DQA1*05:05:01:02	6597	875	0.1326	0.4444
HLA-DQA1*05:05:01:03	6393	746	0.1167	0.4243
HLA-DQA1*05:11	6589	750	0.1138	0.5035
HLA-DQA1*06:01:01	5878	0	0	0
HLA-DQB1*02:01:01	7480	3684	0.4925	1.2382
HLA-DQB1*02:02:01	7471	2150	0.2878	1.1937
HLA-DQB1*03:01:01:01	7231	250	0.0346	0.2493
HLA-DQB1*03:01:01:02	7230	250	0.0346	0.2391
HLA-DQB1*03:01:01:03	7231	0	0	0
HLA-DQB1*03:02:01	7126	1000	0.1403	0.493
HLA-DQB1*03:03:02:01	7126	0	0	0
HLA-DQB1*03:03:02:02	7126	1250	0.1754	0.5016
HLA-DQB1*03:03:02:03	6800	1214	0.1785	0.6171
HLA-DQB1*03:05:01	6934	904	0.1304	0.4896
HLA-DQB1*05:01:01:01	7090	0	0	0
HLA-DQB1*05:01:01:02	7090	0	0	0
HLA-DQB1*05:03:01:01	7089	0	0	0
HLA-DQB1*05:03:01:02	7089	0	0	0
HLA-DQB1*06:01:01	7111	0	0	0

HLA-DQB1*06:02:01	7102	0	0	0
HLA-DQB1*06:03:01	7103	0	0	0
HLA-DQB1*06:09:01	7102	0	0	0
HLA-DRB1*01:01:01	10741	1849	0.1721	1.2629
HLA-DRB1*01:02:01	11229	0	0	0
HLA-DRB1*03:01:01:01	13908	5840	0.4199	1.3836
HLA-DRB1*03:01:01:02	13426	1567	0.1167	0.4894
HLA-DRB1*04:03:01	15246	3453	0.2265	0.8739
HLA-DRB1*07:01:01:01	16110	0	0	0
HLA-DRB1*07:01:01:02	16120	0	0	0
HLA-DRB1*08:03:02	13562	957	0.0706	0.5048
HLA-DRB1*09:21	16039	0	0	0
HLA-DRB1*10:01:01	13501	0	0	0
HLA-DRB1*11:01:01	13921	1000	0.0718	0.3519
HLA-DRB1*11:01:02	13931	192	0.0138	0.1655
HLA-DRB1*11:04:01	13919	0	0	0
HLA-DRB1*12:01:01	13404	0	0	0
HLA-DRB1*12:17	11260	76	0.0067	0.0819
HLA-DRB1*13:01:01	13935	500	0.0359	0.2917
HLA-DRB1*13:02:01	13941	1000	0.0717	0.4085
HLA-DRB1*14:05:01	13933	472	0.0339	0.2399
HLA-DRB1*14:54:01	13936	1043	0.0748	0.3881
HLA-DRB1*15:01:01:01	11080	104	0.0094	0.0964
HLA-DRB1*15:01:01:02	11571	0	0	0
HLA-DRB1*15:01:01:03	11056	0	0	0
HLA-DRB1*15:01:01:04	11056	125	0.0113	0.1057
HLA-DRB1*15:02:01	10313	0	0	0
HLA-DRB1*15:03:01:01	11567	0	0	0
HLA-DRB1*15:03:01:02	11569	0	0	0
HLA-DRB1*16:02:01	11005	0	0	0

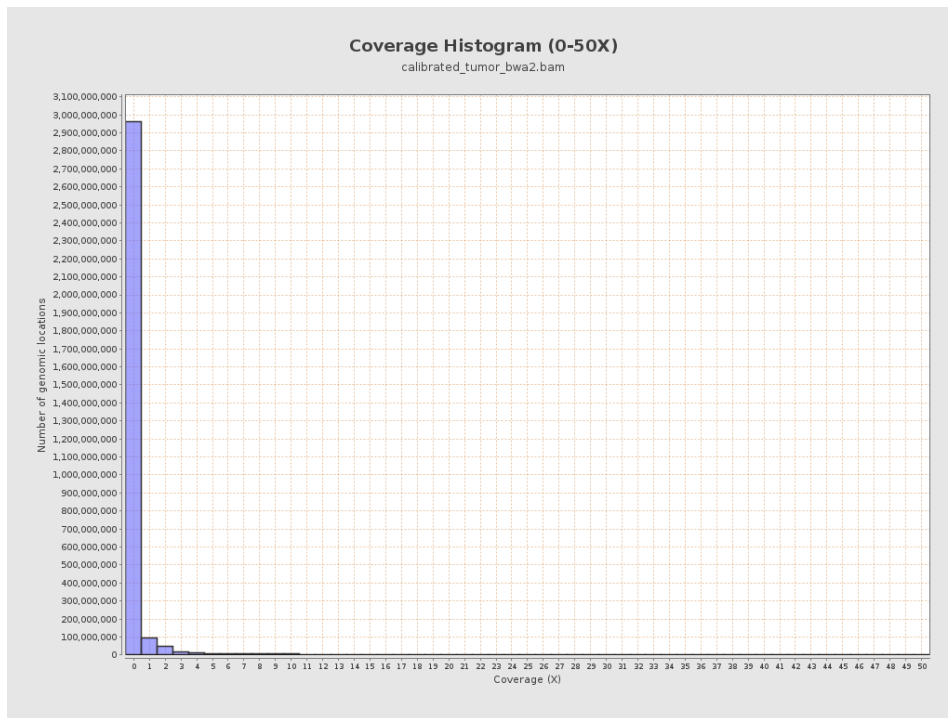
Coverage across reference



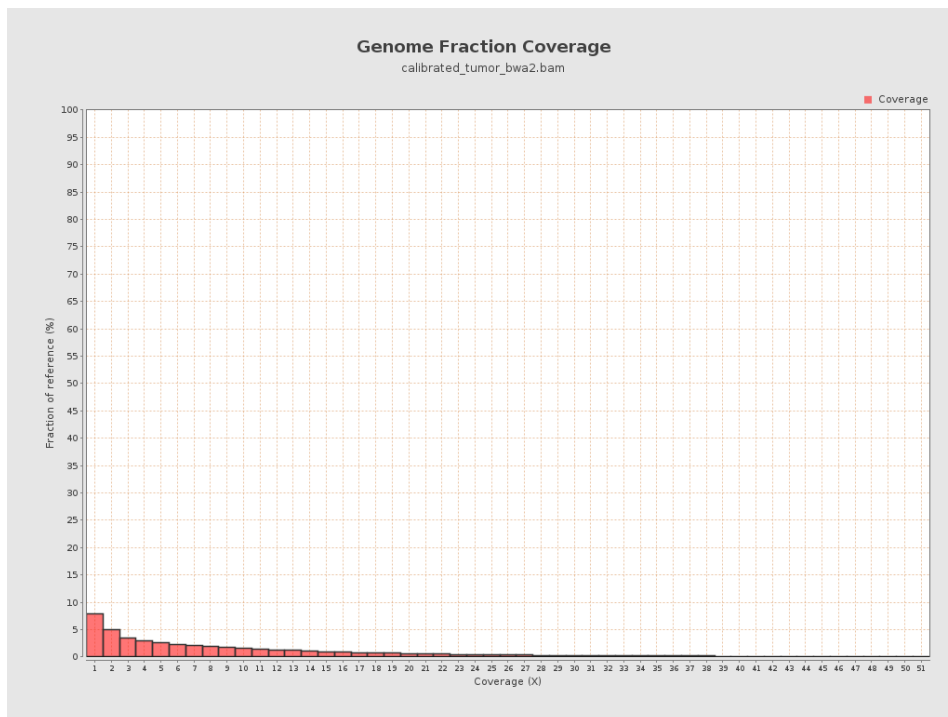
Coverage Histogram



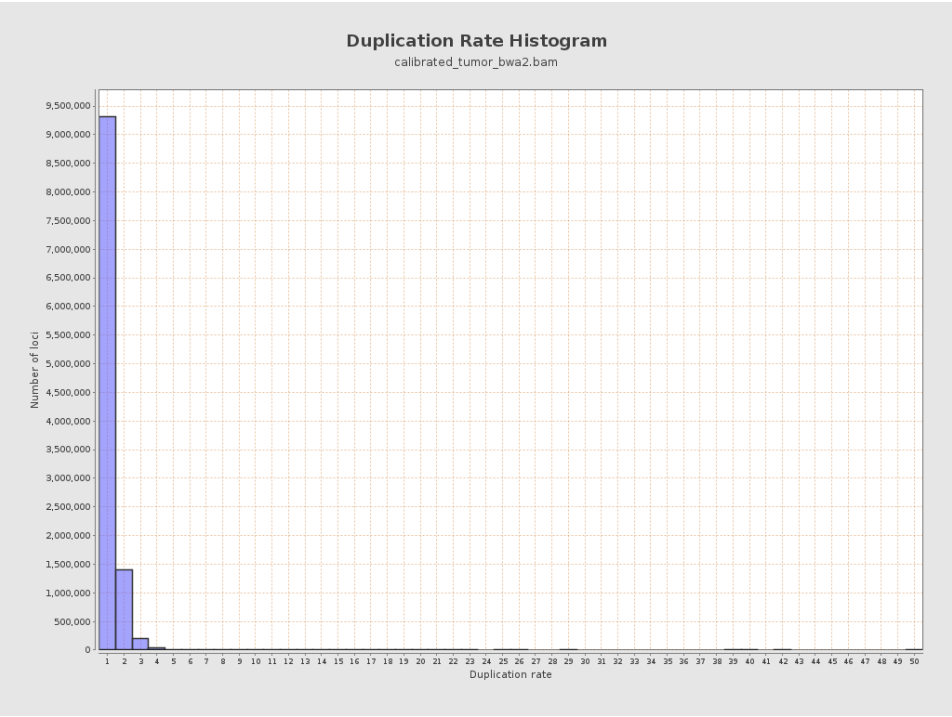
Coverage Histogram (0-50X)



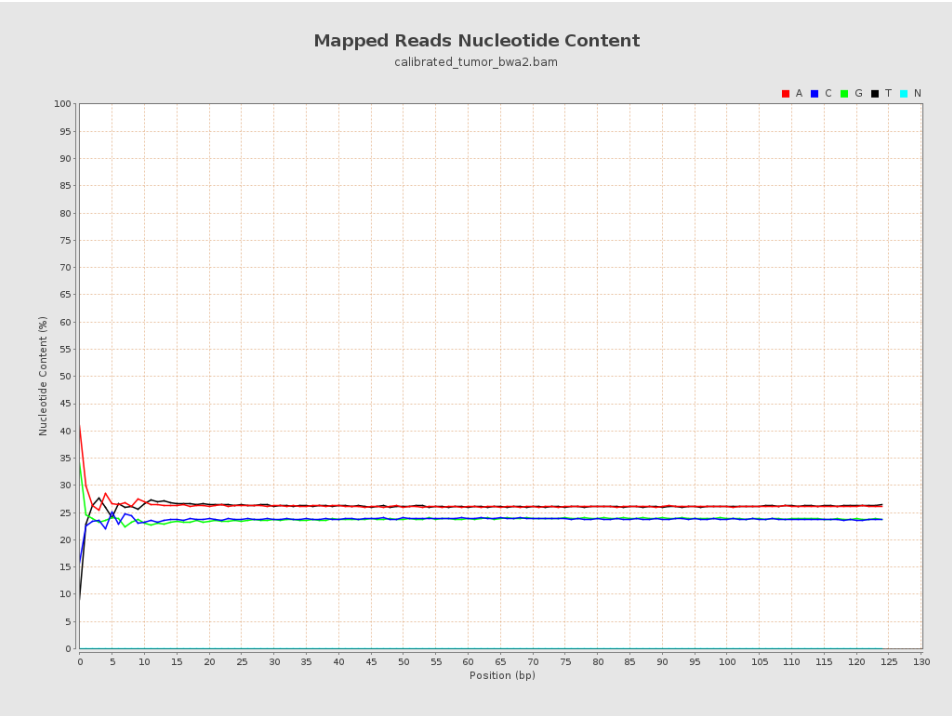
Genome Fraction Coverage



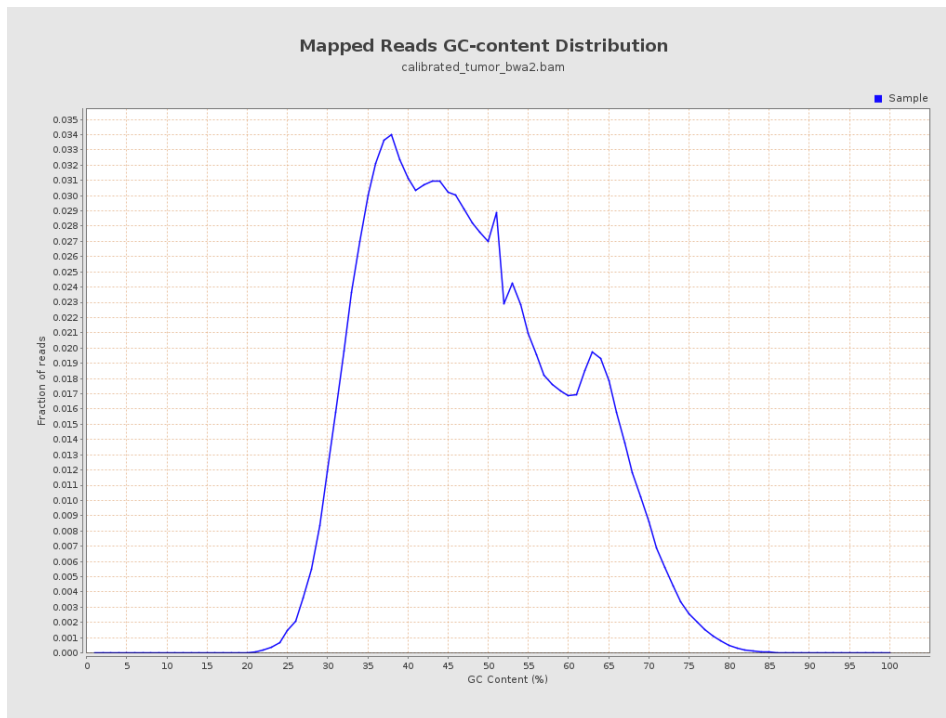
Duplication Rate Histogram



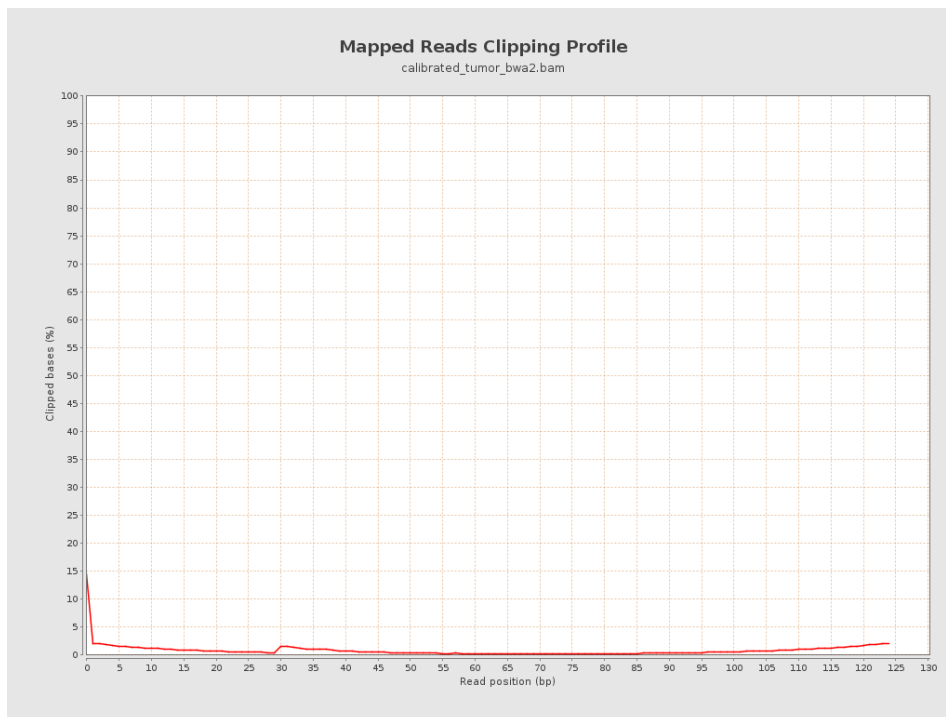
Mapped Reads Nucleotide Content



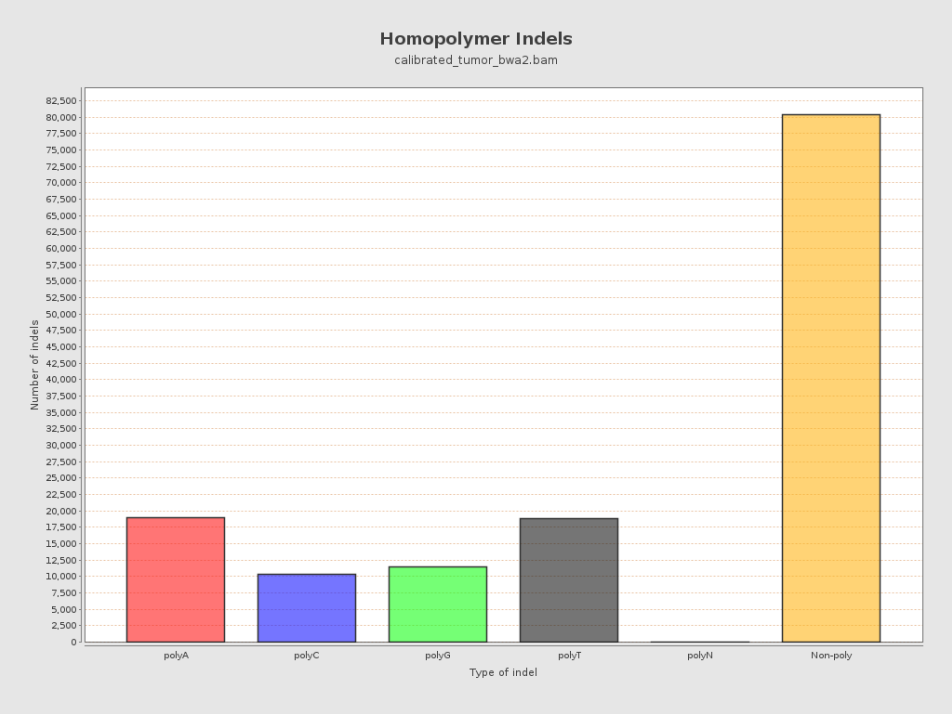
Mapped Reads GC-content Distribution



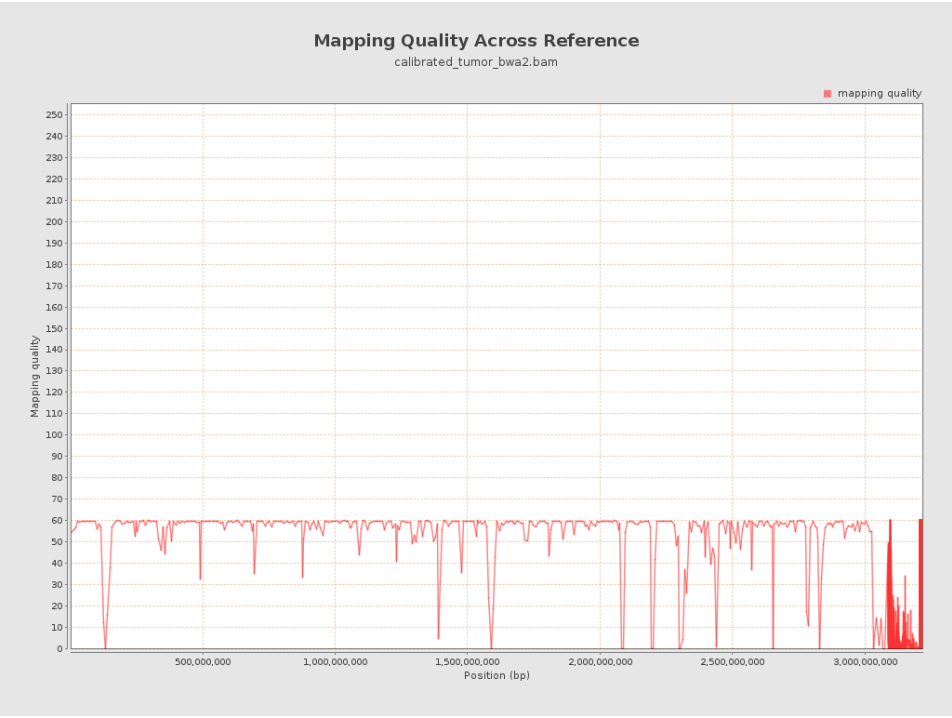
Mapped Reads Clipping Profile



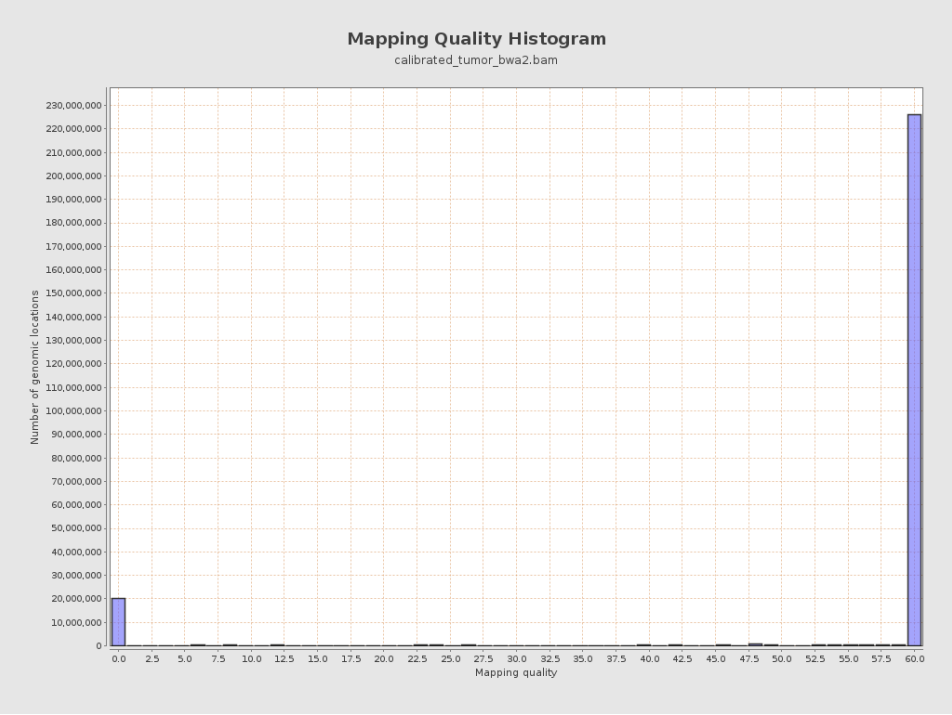
Homopolymer Indels



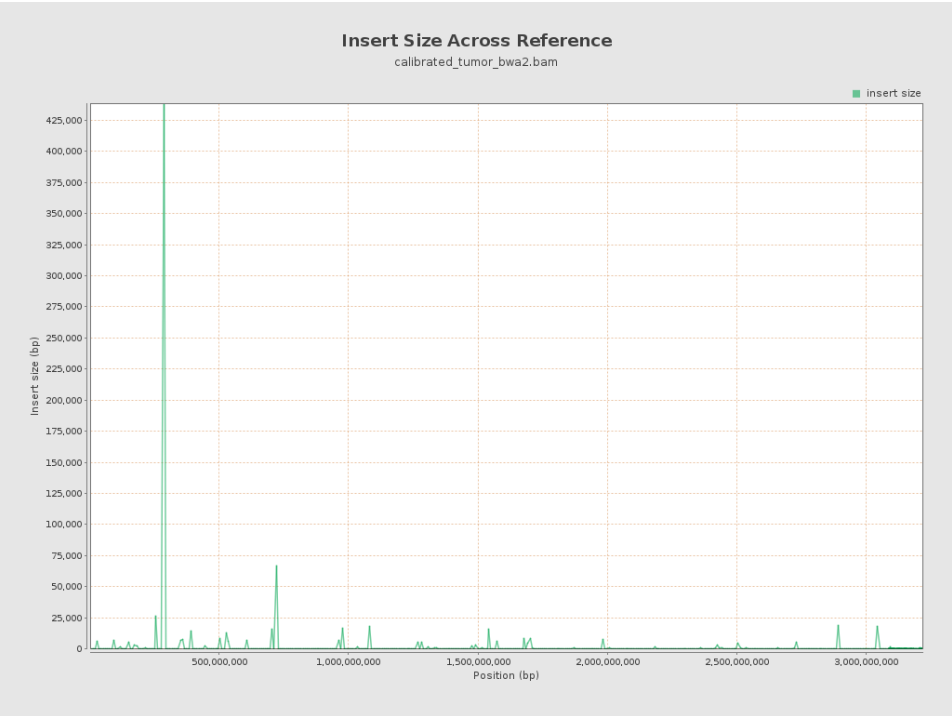
Mapping Quality Across Reference



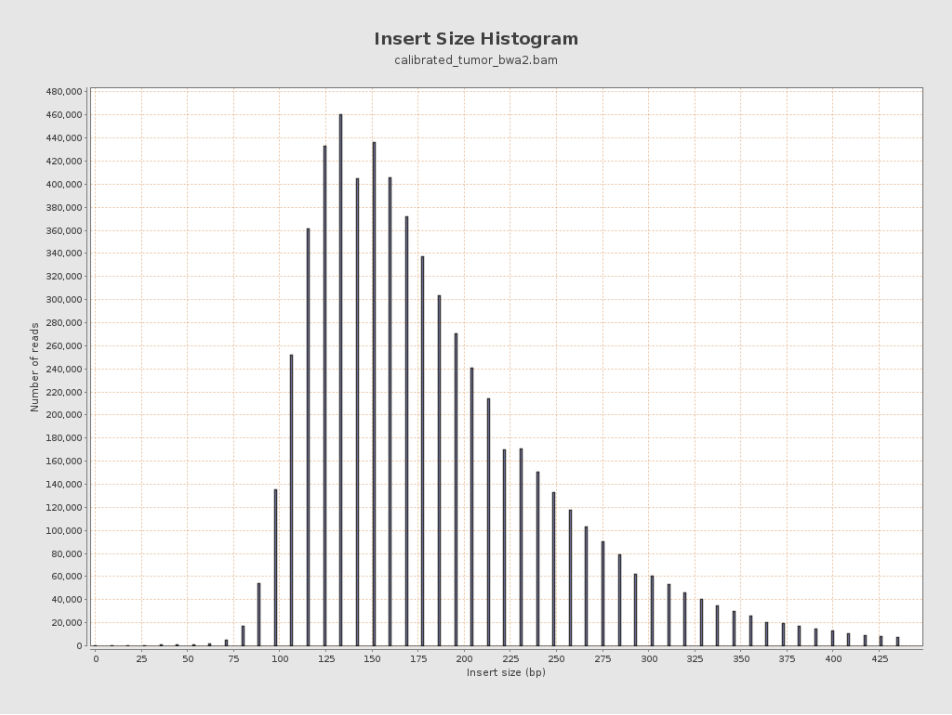
Mapping Quality Histogram



Insert Size Across Reference



Insert Size Histogram



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