

RxO linkage group	position (cM)	NCBI_Assay ID	RxO linkage group	position (cM)	NCBI_Assay ID
1.1	0.0	ss715647341	1.2	21.9	ss715647474
1.1	1.5	ss715639516	1.2	22.0	ss715647469
1.1	1.6	ss715639517	1.2	22.0	ss715647479
1.1	1.6	ss715639518	1.2	22.0	ss715647496
1.1	1.8	ss715647343	1.2	22.0	ss715648716
1.1	2.7	ss715644942	1.2	22.0	ss715648717
1.2	0.0	ss715648197	1.2	22.0	ss715648718
1.2	1.0	ss715648192	1.2	22.0	ss715648723
1.2	1.0	ss715648193	1.2	22.0	ss715649282
1.2	1.3	ss715648196	1.2	22.0	ss715649283
1.2	1.3	ss715648187	1.2	22.0	ss715650532
1.2	2.0	ss715640553	1.2	22.3	ss715641703
1.2	2.0	ss715644931	1.2	22.3	ss715642716
1.2	9.1	ss715648157	1.2	22.3	ss715645107
1.2	9.6	ss715648160	1.2	22.3	ss715640034
1.2	9.6	ss715648161	1.2	22.3	ss715640371
1.2	10.2	ss715648159	1.2	22.3	ss715644102
1.2	11.9	ss715645182	1.2	22.3	ss715639810
1.2	12.2	ss715645593	1.2	22.3	ss715640294
1.2	12.2	ss715645594	1.2	22.3	ss715642917
1.2	12.6	ss715645589	1.2	22.3	ss715642958
1.2	13.9	ss715648162	1.2	22.3	ss715647483
1.2	15.9	ss715639386	1.2	22.3	ss715650899
1.2	15.9	ss715639795	1.2	22.3	ss715650914
1.2	18.3	ss715648278	1.2	22.3	ss715647049
1.2	18.3	ss715648372	1.2	22.3	ss715647484
1.2	18.3	ss715648382	1.2	22.3	ss715647493
1.2	18.3	ss715648374	1.2	22.3	ss715648980
1.2	18.8	ss715639333	1.2	22.3	ss715648983
1.2	18.8	ss715648378	1.2	22.3	ss715649320
1.2	18.8	ss715648380	1.2	22.3	ss715649601
1.2	18.8	ss715639331	1.2	22.3	ss715649707
1.2	19.1	ss715646545	1.2	22.3	ss715649708
1.2	19.4	ss715639334	1.2	22.3	ss715649715
1.2	19.4	ss715639329	1.2	22.3	ss715650060
1.2	19.9	ss715639335	1.2	22.3	ss715641137
1.2	20.5	ss715647955	1.2	22.7	ss715642995
1.2	20.8	ss715647952	1.2	23.5	ss715643202
1.2	21.1	ss715647945	1.2	23.6	ss715640223
1.2	21.7	ss715651078	1.2	23.7	ss715639443

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
1.2	23.7	ss715641960	1.2	26.3	ss715644600
1.2	23.7	ss715644440	1.2	26.9	ss715641240
1.2	23.7	ss715649095	1.2	26.9	ss715644770
1.2	23.7	ss715644178	1.2	26.9	ss715644516
1.2	24.2	ss715639532	1.2	27.2	ss715642717
1.2	24.6	ss715641551	1.2	27.2	ss715649710
1.2	24.6	ss715641845	1.2	27.5	ss715641865
1.2	24.6	ss715648887	1.2	27.5	ss715642648
1.2	25.2	ss715641748	1.2	27.5	ss715647488
1.2	25.2	ss715642662	1.2	27.5	ss715650739
1.2	25.2	ss715644264	1.2	28.6	ss715641138
1.2	25.2	ss715639440	1.2	29.7	ss715641433
1.2	25.2	ss715644596	1.2	31.2	ss715641602
1.2	25.2	ss715644841	1.2	32.8	ss715639753
1.2	25.2	ss715639912	1.2	32.9	ss715639492
1.2	25.2	ss715641959	1.2	33.9	ss715644923
1.2	25.2	ss715642098	1.2	34.3	ss715639382
1.2	25.2	ss715641775	1.2	34.3	ss715640826
1.2	25.2	ss715650508	1.2	34.4	ss715640804
1.2	25.4	ss715641411	1.2	34.5	ss715644156
1.2	25.7	ss715639588	1.2	34.5	ss715650418
1.2	25.7	ss715641607	1.2	35.1	ss715641999
1.2	25.9	ss715639775	1.2	35.1	ss715641997
1.2	26.0	ss715639437	1.2	35.1	ss715642149
1.2	26.0	ss715639531	1.2	35.1	ss715646837
1.2	26.0	ss715639989	1.2	35.5	ss715640468
1.2	26.1	ss715641601	1.2	35.7	ss715643538
1.2	26.1	ss715639829	1.2	35.9	ss715641107
1.2	26.2	ss715640013	1.2	35.9	ss715639380
1.2	26.2	ss715643820	1.2	35.9	ss715639381
1.2	26.2	ss715643138	1.2	35.9	ss715639383
1.2	26.2	ss715644079	1.2	35.9	ss715640825
1.2	26.2	ss715643272	1.2	35.9	ss715640827
1.2	26.2	ss715644725	1.2	35.9	ss715640828
1.2	26.3	ss715639582	1.2	35.9	ss715640829
1.2	26.3	ss715639583	1.2	35.9	ss715644397
1.2	26.3	ss715641431	1.2	35.9	ss715644398
1.2	26.3	ss715640288	1.2	36.8	ss715640118
1.2	26.3	ss715641225	1.2	36.8	ss715639749
1.2	26.3	ss715640290	1.2	36.8	ss715648891

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
1.2	38.4	ss715641050	1.3	2.8	ss715645861
1.2	38.5	ss715639489	1.3	2.8	ss715645863
1.2	38.8	ss715639491	1.3	2.8	ss715645852
1.2	38.8	ss715647960	1.3	2.8	ss715645853
1.2	38.8	ss715647962	1.3	2.8	ss715645856
1.2	38.8	ss715650602	1.3	2.8	ss715645859
1.2	39.1	ss715647956	1.3	2.8	ss715645927
1.2	39.9	ss715640152	1.3	2.8	ss715645935
1.2	40.4	ss715646867	1.3	2.8	ss715645910
1.3	0.0	ss715645918	1.3	2.8	ss715645855
1.3	0.0	ss715645911	1.3	2.8	ss715645862
1.3	0.0	ss715645913	1.3	2.8	ss715645891
1.3	0.0	ss715645914	1.3	2.8	ss715645288
1.3	0.0	ss715645915	1.3	2.8	ss715645857
1.3	0.0	ss715645908	1.3	3.1	ss715645286
1.3	0.0	ss715645904	1.3	3.1	ss715645287
1.3	0.0	ss715645907	1.3	3.4	ss715645282
1.3	0.0	ss715645906	1.3	3.4	ss715645284
1.3	0.0	ss715645903	1.3	4.3	ss715645277
1.3	0.3	ss715645900	1.3	4.3	ss715645275
1.3	0.3	ss715645895	1.3	4.3	ss715645276
1.3	0.3	ss715645896	1.3	5.3	ss715645274
1.3	0.3	ss715645898	1.3	5.3	ss715645260
1.3	0.3	ss715645899	1.3	5.3	ss715645262
1.3	0.5	ss715645892	1.3	5.3	ss715645263
1.3	0.5	ss715645890	1.3	5.3	ss715645266
1.3	1.1	ss715645885	1.3	5.3	ss715645269
1.3	1.1	ss715645886	1.3	5.3	ss715645270
1.3	1.4	ss715645881	1.3	5.3	ss715645273
1.3	1.4	ss715645883	1.3	5.3	ss715645256
1.3	1.4	ss715645880	1.3	5.3	ss715645257
1.3	1.4	ss715645884	1.3	5.3	ss715645267
1.3	1.7	ss715645877	1.3	5.7	ss715645252
1.3	2.3	ss715645876	1.3	5.7	ss715645254
1.3	2.6	ss715645864	1.3	37.7	ss715645305
1.3	2.6	ss715645866	1.3	37.7	ss715645303
1.3	2.6	ss715645867	1.3	44.1	ss715648970
1.3	2.6	ss715645868	1.3	44.1	ss715650357
1.3	2.6	ss715645869	1.3	44.3	ss715650356
1.3	2.6	ss715645870	2	0.0	ss715641034

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
2	0.6	ss715641033	2	84.4	ss715647080
2	0.8	ss715640457	2	84.5	ss715650231
2	47.4	ss715647225	2	84.8	ss715648611
2	47.5	ss715639495	2	84.9	ss715651031
2	47.5	ss715647227	2	85.6	ss715650085
2	49.3	ss715647221	2	88.2	ss715644998
2	49.4	ss715647223	2	88.8	ss715646945
2	49.5	ss715647222	2	88.8	ss715639421
2	49.6	ss715647234	2	93.7	ss715647764
2	55.0	ss715647297	2	95.0	ss715639514
2	55.5	ss715641336	2	96.4	ss715647098
2	57.1	ss715647299	2	97.6	ss715646264
2	57.7	ss715647300	2	97.8	ss715646265
2	58.2	ss715647302	2	98.0	ss715649049
2	58.5	ss715647668	2	98.0	ss715646263
2	74.0	ss715643720	2	100.6	ss715647851
2	74.0	ss715643295	2	102.3	ss715646491
2	74.3	ss715640820	2	102.3	ss715646488
2	74.5	ss715649902	2	102.3	ss715646492
2	74.5	ss715641560	2	103.4	ss715647866
2	74.6	ss715642210	2	103.5	ss715639947
2	74.9	ss715650491	2	103.8	ss715639946
2	74.9	ss715649629	2	104.0	ss715647867
2	75.9	ss715643401	2	104.0	ss715639943
2	77.9	ss715640057	2	104.2	ss715639669
2	78.0	ss715649961	2	104.4	ss715647749
2	78.2	ss715642024	2	104.6	ss715639559
2	81.6	ss715648531	2	105.1	ss715645090
2	81.6	ss715645823	2	105.2	ss715640284
2	81.9	ss715648527	2	106.2	ss715642512
2	81.9	ss715648530	2	106.8	ss715645023
2	82.0	ss715647026	2	107.4	ss715642223
2	82.0	ss715648633	2	108.4	ss715650750
2	82.2	ss715645827	2	108.7	ss715648710
2	82.2	ss715645819	2	109.4	ss715639727
2	82.8	ss715650088	2	109.4	ss715639728
2	83.4	ss715647064	2	110.9	ss715639392
2	83.6	ss715647062	2	111.2	ss715641261
2	84.2	ss715647074	2	111.8	ss715649110
2	84.2	ss715647083	2	116.4	ss715647096

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
2	117.8	ss715647680	3	5.6	ss715647965
2	118.0	ss715647241	3	5.8	ss715647637
2	119.6	ss715647240	3	5.8	ss715647636
2	119.9	ss715647244	3	5.8	ss715647638
2	120.6	ss715645963	3	7.2	ss715650190
2	121.3	ss715645960	3	7.8	ss715646546
2	122.9	ss715645965	3	8.1	ss715644947
2	128.2	ss715646137	3	8.1	ss715648034
2	128.9	ss715646164	3	8.6	ss715648036
2	129.1	ss715646139	3	9.4	ss715644715
2	129.1	ss715646138	3	9.5	ss715640281
2	129.3	ss715646140	3	9.7	ss715643440
2	130.4	ss715646144	3	10.0	ss715641086
2	132.0	ss715646153	3	10.0	ss715650641
2	132.6	ss715646154	3	10.1	ss715648617
2	134.2	ss715646922	3	10.1	ss715639629
2	134.4	ss715646924	3	10.6	ss715644896
2	150.4	ss715645987	3	10.6	ss715647442
2	152.4	ss715645998	3	10.6	ss715639562
2	153.7	ss715646005	3	11.0	ss715647436
2	153.7	ss715646006	3	11.2	ss715647441
2	153.9	ss715646003	3	11.8	ss715649741
2	154.4	ss715641188	3	11.8	ss715647446
2	154.4	ss715644044	3	12.1	ss715648109
2	154.4	ss715650291	3	12.1	ss715647646
2	156.3	ss715648453	3	12.1	ss715647443
2	157.1	ss715648456	3	13.1	ss715647445
2	157.7	ss715648446	3	15.3	ss715642125
2	157.7	ss715648447	3	15.3	ss715639671
2	157.9	ss715639906	3	15.5	ss715650827
2	158.3	ss715648452	3	15.9	ss715641974
2	158.3	ss715648450	3	15.9	ss715649257
2	158.5	ss715647997	3	15.9	ss715649258
2	158.5	ss715647996	3	16.2	ss715640844
3	0.0	ss715640038	3	19.1	ss715640189
3	0.2	ss715640037	3	19.6	ss715650097
3	1.6	ss715648301	3	23.0	ss715650616
3	2.3	ss715640477	3	24.5	ss715647432
3	4.4	ss715649325	3	25.0	ss715647850
3	4.7	ss715639604	3	25.0	ss715639608

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
3	25.0	ss715639606	4	0.3	ss715646897
3	26.6	ss715641537	4	0.3	ss715639414
3	27.2	ss715639864	4	0.3	ss715649430
3	27.2	ss715639865	4	0.3	ss715649437
3	27.5	ss715639854	4	0.3	ss715649425
3	30.5	ss715639501	4	0.3	ss715648679
3	30.5	ss715648025	4	0.3	ss715648680
3	30.6	ss715645087	4	0.3	ss715648683
3	30.9	ss715647689	4	0.3	ss715649426
3	31.7	ss715647688	4	0.3	ss715649770
3	32.0	ss715646623	4	0.3	ss715640025
3	32.1	ss715646622	4	0.4	ss715646889
3	32.8	ss715650182	4	0.4	ss715646904
3	33.2	ss715639422	4	0.4	ss715646915
3	33.5	ss715639426	4	0.5	ss715640023
3	34.0	ss715639423	4	0.6	ss715649777
3	36.3	ss715647040	4	0.6	ss715646916
3	37.4	ss715640531	4	0.7	ss715648686
3	38.3	ss715640920	4	1.5	ss715646910
3	38.8	ss715639252	4	1.8	ss715649973
3	38.8	ss715645941	4	1.8	ss715647821
3	39.9	ss715639895	4	1.8	ss715649970
3	39.9	ss715639894	4	1.8	ss715649971
3	40.6	ss715639317	4	2.1	ss715647804
3	41.7	ss715639247	4	2.1	ss715647820
3	42.2	ss715644902	4	2.6	ss715647811
3	42.3	ss715639244	4	2.8	ss715647807
3	42.3	ss715639243	4	4.5	ss715647818
3	44.6	ss715641141	4	4.9	ss715650013
3	46.0	ss715639254	4	5.4	ss715650010
3	46.6	ss715639253	4	5.4	ss715650008
3	47.3	ss715639323	4	5.7	ss715650012
3	47.6	ss715639321	4	6.0	ss715650014
3	48.4	ss715639322	4	6.2	ss715650015
3	56.9	ss715645123	4	6.2	ss715650016
3	58.6	ss715647339	4	6.8	ss715646246
4	0.0	ss715648677	4	7.3	ss715646239
4	0.1	ss715649778	4	7.8	ss715646249
4	0.1	ss715649779	4	7.9	ss715646248
4	0.2	ss715646898	4	8.4	ss715646242

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
4	8.6	ss715646243	4	28.2	ss715648116
4	11.0	ss715646216	4	28.3	ss715648125
4	11.9	ss715646215	4	28.4	ss715648130
4	12.6	ss715646223	4	28.4	ss715649533
4	13.3	ss715646218	4	28.5	ss715647594
4	13.5	ss715646214	4	28.5	ss715647597
4	14.0	ss715646210	4	29.8	ss715647590
4	14.2	ss715646252	4	32.1	ss715648330
4	14.2	ss715646199	4	32.4	ss715647595
4	14.8	ss715646228	4	32.4	ss715647596
4	14.9	ss715646233	4	33.0	ss715639594
4	15.2	ss715646217	4	33.0	ss715647598
4	15.2	ss715646213	4	33.4	ss715648332
4	15.2	ss715646201	4	33.4	ss715648320
4	15.2	ss715646224	4	33.4	ss715648319
4	17.6	ss715647290	4	33.4	ss715648329
4	18.4	ss715647291	4	33.4	ss715648331
4	19.9	ss715650368	4	34.7	ss715648324
4	20.2	ss715650365	4	34.7	ss715648326
4	20.2	ss715650370	4	35.3	ss715648327
4	20.7	ss715642470	4	35.5	ss715648328
4	20.7	ss715639397	4	35.9	ss715650860
4	22.2	ss715646810	4	35.9	ss715649296
4	22.2	ss715646812	4	75.8	ss715649262
4	22.2	ss715646811	4	76.3	ss715649261
4	22.3	ss715646804	4	76.6	ss715649259
4	22.4	ss715646806	4	80.5	ss715646129
4	22.5	ss715646800	4	89.2	ss715649179
4	22.7	ss715646808	4	90.3	ss715648778
4	22.7	ss715646793	4	90.3	ss715648777
4	22.7	ss715646795	4	91.1	ss715649337
4	23.6	ss715646789	4	91.7	ss715645798
4	23.6	ss715646792	4	91.7	ss715649341
4	23.8	ss715646788	4	99.2	ss715645803
4	26.8	ss715648119	4	99.2	ss715645801
4	27.0	ss715648117	4	99.2	ss715645802
4	27.3	ss715648114	4	99.4	ss715645800
4	27.3	ss715649532	4	99.8	ss715645813
4	27.5	ss715648129	4	99.8	ss715645805
4	27.9	ss715649531	4	99.8	ss715649811

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
4	100.6	ss715647355	5	57.6	ss715642446
4	101.3	ss715647353	5	57.6	ss715648647
4	101.3	ss715647354	5	57.6	ss715648648
4	101.3	ss715647352	5	57.6	ss715648643
4	102.0	ss715647349	5	57.6	ss715649137
4	103.0	ss715647346	5	58.1	ss715650220
4	103.4	ss715647345	5	62.1	ss715647507
4	103.7	ss715647361	5	62.3	ss715647505
4	104.1	ss715647347	5	62.4	ss715647511
4	104.1	ss715647358	5	62.6	ss715647506
4	104.3	ss715647356	5	76.6	ss715648404
4	104.3	ss715647351	5	76.8	ss715648405
4	104.4	ss715647359	5	81.3	ss715645412
4	105.7	ss715642593	5	81.3	ss715645416
5	0.0	ss715643586	5	81.3	ss715645411
5	0.0	ss715640451	5	81.3	ss715645417
5	0.0	ss715649414	5	81.3	ss715645414
5	0.3	ss715649413	5	82.4	ss715645421
5	1.9	ss715647836	5	82.9	ss715645426
5	1.9	ss715647837	5	82.9	ss715645430
5	2.2	ss715647824	5	82.9	ss715645431
5	2.3	ss715647827	5	82.9	ss715645433
5	2.3	ss715647830	5	82.9	ss715645434
5	2.3	ss715647826	5	82.9	ss715645435
5	5.9	ss715639615	5	82.9	ss715645436
5	7.9	ss715648676	5	82.9	ss715645424
5	9.9	ss715650037	5	82.9	ss715645428
5	34.0	ss715643332	5	83.3	ss715645437
5	35.3	ss715650116	5	83.6	ss715645439
5	36.1	ss715648235	5	83.6	ss715645440
5	36.4	ss715648237	5	83.6	ss715645441
5	36.4	ss715648238	5	84.4	ss715645443
5	36.8	ss715648242	5	85.0	ss715645459
5	39.1	ss715640177	5	85.0	ss715645449
5	40.2	ss715640176	5	85.0	ss715645454
5	50.9	ss715647325	5	85.1	ss715645462
5	51.0	ss715647323	5	85.2	ss715645450
5	51.1	ss715647322	5	85.2	ss715645452
5	51.4	ss715647318	5	85.2	ss715645460
5	51.4	ss715647319	5	85.5	ss715645446

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
5	85.5	ss715645447	5	102.2	ss715645388
5	85.5	ss715645455	5	102.2	ss715645389
5	85.5	ss715645456	5	102.4	ss715645386
5	85.5	ss715645451	5	102.7	ss715645387
5	85.9	ss715645463	5	102.7	ss715645385
5	86.3	ss715645306	5	103.6	ss715645392
5	86.9	ss715645307	5	103.6	ss715645390
5	87.3	ss715645309	5	103.6	ss715650735
5	87.5	ss715645312	5	105.7	ss715648996
5	87.6	ss715645310	5	105.7	ss715648992
5	87.8	ss715645311	5	105.9	ss715648987
5	89.7	ss715639208	5	106.0	ss715648994
5	90.2	ss715645316	5	106.0	ss715648991
5	92.0	ss715645313	5	106.1	ss715648993
5	92.7	ss715645324	5	106.1	ss715648997
5	92.7	ss715645320	5	106.8	ss715646696
5	92.7	ss715645322	5	107.5	ss715646727
5	93.8	ss715645327	5	108.2	ss715646689
5	94.8	ss715645338	5	108.4	ss715646741
5	94.8	ss715645341	5	108.9	ss715646700
5	94.8	ss715645342	5	109.0	ss715646711
5	95.3	ss715645344	5	109.0	ss715646701
5	96.6	ss715645346	5	109.0	ss715646703
5	96.9	ss715645352	5	109.2	ss715646697
5	97.1	ss715645347	5	109.2	ss715646694
5	97.2	ss715645349	5	109.2	ss715646699
5	97.2	ss715645354	5	109.2	ss715646702
5	97.8	ss715645356	5	109.2	ss715639375
5	98.7	ss715645368	5	109.4	ss715646712
5	98.9	ss715645366	5	109.8	ss715646720
5	99.1	ss715645363	5	110.1	ss715646716
5	99.5	ss715645370	5	110.5	ss715646714
5	99.5	ss715645371	5	110.5	ss715646719
5	99.5	ss715645374	5	111.1	ss715646725
5	101.1	ss715645380	6	0.0	ss715650985
5	101.1	ss715645377	6	1.6	ss715639702
5	101.2	ss715645379	6	1.6	ss715648844
5	101.5	ss715645382	6	1.6	ss715649469
5	101.5	ss715645383	6	1.6	ss715650107
5	101.6	ss715645384	6	1.6	ss715650310

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
6	1.8	ss715650103	6	8.7	ss715650114
6	2.2	ss715648440	6	10.1	ss715648363
6	2.7	ss715648429	6	10.6	ss715648311
6	2.8	ss715650275	6	10.6	ss715648313
6	3.3	ss715650668	6	10.9	ss715647425
6	3.3	ss715650345	6	11.5	ss715648312
6	3.3	ss715648431	6	12.0	ss715647426
6	3.9	ss715648496	6	12.0	ss715647423
6	3.9	ss715650987	6	12.1	ss715648560
6	3.9	ss715650920	6	12.7	ss715650230
6	4.4	ss715649859	6	12.7	ss715650229
6	4.5	ss715640782	6	17.7	ss715649329
6	5.0	ss715650330	6	21.1	ss715646829
6	5.0	ss715649446	6	21.3	ss715650222
6	5.1	ss715650311	6	29.0	ss715639790
6	5.2	ss715650196	6	30.5	ss715640039
6	5.3	ss715648495	6	31.0	ss715648752
6	5.3	ss715650478	6	31.4	ss715647254
6	5.3	ss715649467	6	31.8	ss715647253
6	5.3	ss715651082	6	33.0	ss715649417
6	5.4	ss715648910	6	33.0	ss715649419
6	5.4	ss715647844	6	34.6	ss715646818
6	5.5	ss715647845	6	34.6	ss715646820
6	5.6	ss715647843	6	34.6	ss715645033
6	5.7	ss715642881	6	34.6	ss715646821
6	5.8	ss715648908	6	34.6	ss715646825
6	5.8	ss715641024	6	34.9	ss715646823
6	5.8	ss715642190	6	34.9	ss715646819
6	6.2	ss715641566	6	34.9	ss715646824
6	6.2	ss715640682	6	35.2	ss715646822
6	6.3	ss715642453	6	36.3	ss715648132
6	6.3	ss715640783	6	37.3	ss715650285
6	7.6	ss715641968	6	39.9	ss715644685
6	7.6	ss715650113	6	39.9	ss715648769
6	7.7	ss715641131	6	40.5	ss715644727
6	7.8	ss715650242	6	40.6	ss715646368
6	7.9	ss715649763	6	40.6	ss715646369
6	8.1	ss715649379	6	42.4	ss715646382
6	8.2	ss715649336	6	42.7	ss715646374
6	8.5	ss715651131	6	42.7	ss715646375

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
6	42.7	ss715646378	7	13.1	ss715645696
6	42.7	ss715646379	7	17.6	ss715645681
6	43.0	ss715646389	7	20.8	ss715648636
6	43.6	ss715646399	7	23.0	ss715648280
6	43.6	ss715646439	7	26.3	ss715648692
6	43.6	ss715646400	7	40.7	ss715646351
6	44.7	ss715646404	7	41.4	ss715646350
6	46.0	ss715646420	7	45.2	ss715646355
6	46.0	ss715639315	7	45.8	ss715639325
6	46.0	ss715639316	7	45.8	ss715649276
6	46.0	ss715646419	7	46.2	ss715646465
6	46.3	ss715646426	7	46.6	ss715646466
6	46.6	ss715646428	7	57.0	ss715650029
6	46.6	ss715646435	7	57.3	ss715640157
6	46.6	ss715646434	7	58.0	ss715650514
6	46.6	ss715646436	7	58.5	ss715640158
6	46.6	ss715648490	7	58.5	ss715648962
6	46.6	ss715648491	7	58.8	ss715648961
6	46.9	ss715648488	7	60.0	ss715640749
6	47.2	ss715646430	7	60.5	ss715640748
6	47.2	ss715648487	7	61.0	ss715650843
6	47.2	ss715648489	7	62.0	ss715647158
6	47.5	ss715648483	7	62.8	ss715649511
6	64.3	ss715639229	7	62.8	ss715649512
6	64.6	ss715645665	7	63.9	ss715647219
6	64.8	ss715651196	7	64.4	ss715647218
6	66.2	ss715647970	7	64.8	ss715639538
6	66.2	ss715647966	7	65.4	ss715647723
6	72.2	ss715639203	7	65.4	ss715647724
6	72.2	ss715639202	7	65.9	ss715647725
6	84.4	ss715639365	7	66.1	ss715648625
6	84.4	ss715639368	7	66.2	ss715647726
6	85.5	ss715639366	7	66.5	ss715647672
7	0.0	ss715648390	7	66.8	ss715639621
7	0.2	ss715648388	7	67.3	ss715640174
7	0.3	ss715648385	7	67.6	ss715641468
7	0.5	ss715648391	7	68.2	ss715649089
7	12.3	ss715645689	7	68.4	ss715649090
7	12.3	ss715645691	7	69.0	ss715647988
7	13.1	ss715645695	7	69.0	ss715648793

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
7	69.2	ss715647989	7	77.9	ss715642769
7	70.2	ss715649622	7	78.0	ss715641103
7	71.1	ss715640625	7	78.1	ss715639699
7	71.8	ss715640636	7	78.6	ss715642837
7	72.7	ss715649327	7	78.8	ss715644061
7	73.6	ss715650381	7	78.8	ss715649611
7	74.4	ss715647457	7	79.0	ss715643085
7	74.4	ss715640194	7	79.2	ss715644098
7	74.4	ss715640903	7	79.3	ss715641940
7	74.9	ss715640440	7	79.6	ss715644076
7	74.9	ss715649492	7	79.6	ss715642793
7	74.9	ss715640514	7	79.6	ss715640699
7	74.9	ss715641372	7	79.8	ss715643917
7	74.9	ss715650375	7	80.5	ss715650218
7	74.9	ss715640106	7	80.5	ss715649149
7	75.0	ss715639724	7	80.6	ss715650334
7	75.2	ss715640441	7	80.6	ss715650773
7	75.3	ss715639576	7	80.6	ss715645144
7	75.3	ss715649306	7	80.7	ss715650774
7	75.5	ss715640247	7	80.8	ss715641587
7	75.5	ss715643404	7	81.3	ss715639778
7	75.5	ss715642106	7	81.3	ss715640138
7	75.5	ss715645108	7	81.3	ss715650061
7	75.5	ss715640082	7	81.3	ss715641149
7	76.1	ss715650663	7	81.3	ss715642346
7	76.1	ss715649702	7	81.3	ss715642986
7	76.4	ss715642197	7	81.3	ss715644710
7	76.4	ss715643285	7	81.3	ss715639985
7	76.5	ss715643644	7	81.3	ss715640700
7	77.0	ss715642392	7	81.3	ss715640950
7	77.1	ss715642480	7	81.3	ss715641292
7	77.2	ss715643128	7	81.3	ss715641713
7	77.2	ss715641715	7	81.3	ss715642225
7	77.2	ss715641572	7	81.3	ss715643101
7	77.3	ss715640661	7	81.3	ss715643503
7	77.3	ss715643037	7	81.3	ss715644042
7	77.3	ss715644708	7	81.3	ss715644082
7	77.5	ss715643373	7	81.3	ss715642445
7	77.7	ss715640351	7	81.8	ss715644887
7	77.8	ss715649568	7	81.9	ss715643314

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
7	81.9	ss715641811	7	86.4	ss715641918
7	81.9	ss715641615	7	86.4	ss715642965
7	81.9	ss715641977	7	86.4	ss715644698
7	81.9	ss715650393	7	86.4	ss715644839
7	81.9	ss715641475	7	86.5	ss715640736
7	81.9	ss715650677	7	86.7	ss715648914
7	81.9	ss715642267	7	86.7	ss715639698
7	81.9	ss715642393	7	86.7	ss715648880
7	81.9	ss715643423	7	86.7	ss715640129
7	81.9	ss715643859	7	86.7	ss715640471
7	81.9	ss715643960	7	86.8	ss715647928
7	81.9	ss715644611	7	86.9	ss715650609
7	81.9	ss715641067	7	87.0	ss715640104
7	81.9	ss715643910	7	87.0	ss715640130
7	82.0	ss715639835	7	87.0	ss715640606
7	82.2	ss715649138	7	87.1	ss715648599
7	82.3	ss715639900	7	87.1	ss715642495
7	82.3	ss715642583	7	87.2	ss715641095
7	82.4	ss715641665	7	87.3	ss715650406
7	82.5	ss715639899	7	87.4	ss715642582
7	82.5	ss715640242	7	87.4	ss715642839
7	82.5	ss715650335	7	87.4	ss715648425
7	82.9	ss715650353	7	87.6	ss715642535
7	82.9	ss715641695	7	87.6	ss715640515
7	82.9	ss715641798	7	87.6	ss715650711
7	83.0	ss715649926	7	87.7	ss715644463
7	83.2	ss715647458	7	87.9	ss715642111
7	83.4	ss715639575	7	88.1	ss715644855
7	84.3	ss715642193	7	88.2	ss715642049
7	85.4	ss715642863	7	88.6	ss715639834
7	85.4	ss715643096	7	88.6	ss715642107
7	85.4	ss715643508	7	88.8	ss715640084
7	85.4	ss715643688	7	90.1	ss715649208
7	85.4	ss715644097	7	90.7	ss715640542
7	85.5	ss715641464	7	91.5	ss715641347
7	85.9	ss715641880	7	93.5	ss715639574
7	85.9	ss715639986	7	94.3	ss715641085
7	86.0	ss715642084	7	95.5	ss715639389
7	86.4	ss715640085	7	96.4	ss715640252
7	86.4	ss715640087	7	96.4	ss715649094

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
7	97.0	ss715639387	7	133.7	ss715648577
7	97.1	ss715647700	7	133.7	ss715648579
7	97.1	ss715647701	7	133.7	ss715648580
7	97.1	ss715649076	7	134.0	ss715648575
7	97.1	ss715650483	7	134.6	ss715646034
7	97.4	ss715649079	7	134.6	ss715646033
7	97.6	ss715648308	7	134.7	ss715646030
7	97.6	ss715648309	7	134.8	ss715646035
7	97.6	ss715648310	7	134.8	ss715646036
7	97.7	ss715639846	7	134.9	ss715646027
7	98.1	ss715649077	7	134.9	ss715646028
7	100.7	ss715647648	7	134.9	ss715646029
7	101.0	ss715647649	7	135.7	ss715646021
7	101.6	ss715649169	7	135.7	ss715646022
7	106.4	ss715639237	7	135.7	ss715646025
7	108.7	ss715647730	7	135.8	ss715646019
7	109.0	ss715647728	7	136.0	ss715646017
7	112.0	ss715648284	7	136.0	ss715646018
7	112.4	ss715648283	7	137.4	ss715646011
7	112.7	ss715648289	7	137.4	ss715646012
7	113.1	ss715648292	7	137.7	ss715646008
7	113.1	ss715648287	7	137.7	ss715646009
7	113.4	ss715648300	7	138.3	ss715644981
7	113.5	ss715648299	7	138.7	ss715645235
7	116.6	ss715646612	7	140.6	ss715639206
7	116.6	ss715639340	7	141.5	ss715645239
7	117.3	ss715646608	7	143.3	ss715645208
7	117.7	ss715639341	7	152.7	ss715645230
7	123.6	ss715645851	7	153.0	ss715645222
7	131.8	ss715648574	7	153.0	ss715645223
7	132.0	ss715645173	7	153.0	ss715645224
7	132.5	ss715649067	7	153.0	ss715645228
7	132.5	ss715649069	7	153.0	ss715645229
7	132.5	ss715649072	7	153.1	ss715645225
7	132.5	ss715649073	8	0.0	ss715646681
7	133.1	ss715648573	8	1.0	ss715646687
7	133.2	ss715648570	8	3.4	ss715646676
7	133.4	ss715648576	8	3.9	ss715646678
7	133.7	ss715648565	8	5.5	ss715646679
7	133.7	ss715648566	8	6.9	ss715646682

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
8	7.1	ss715646684	8	87.3	ss715640729
8	7.1	ss715646686	8	87.3	ss715641641
8	27.8	ss715646880	8	87.3	ss715650582
8	28.9	ss715647122	8	87.4	ss715642893
8	78.1	ss715648695	8	87.9	ss715650035
8	78.4	ss715649943	8	87.9	ss715650036
8	78.4	ss715648218	8	87.9	ss715641084
8	78.4	ss715648545	8	87.9	ss715640275
8	78.4	ss715648546	8	87.9	ss715649378
8	78.4	ss715648213	8	87.9	ss715641081
8	78.4	ss715648543	8	87.9	ss715641427
8	78.4	ss715648550	8	87.9	ss715641832
8	78.4	ss715648215	8	87.9	ss715649224
8	78.4	ss715648220	8	87.9	ss715649167
8	78.4	ss715648551	8	87.9	ss715649225
8	78.5	ss715648541	8	87.9	ss715650648
8	78.6	ss715646987	8	89.0	ss715649162
8	79.3	ss715649330	8	89.9	ss715644218
8	79.5	ss715649333	8	90.4	ss715646562
8	80.9	ss715640187	8	90.5	ss715647562
8	80.9	ss715640186	8	90.5	ss715647564
8	81.2	ss715649123	8	90.5	ss715650597
8	82.4	ss715649663	8	90.5	ss715643825
8	82.6	ss715648693	8	90.5	ss715644126
8	83.0	ss715648542	8	90.7	ss715650325
8	83.2	ss715649940	8	112.7	ss715647283
8	83.2	ss715650376	8	113.1	ss715649567
8	83.2	ss715648212	8	113.4	ss715640595
8	83.3	ss715648216	8	113.4	ss715643239
8	83.4	ss715649865	8	117.5	ss715646645
8	83.4	ss715646986	8	117.5	ss715646646
8	83.4	ss715648219	8	118.2	ss715648179
8	83.5	ss715649942	8	118.2	ss715646653
8	83.7	ss715649914	8	118.3	ss715646652
8	84.5	ss715640846	8	118.4	ss715646650
8	84.5	ss715640848	8	118.4	ss715646654
8	85.0	ss715648700	8	124.6	ss715646527
8	85.2	ss715649912	8	125.1	ss715646528
8	85.7	ss715648928	8	125.1	ss715646529
8	86.9	ss715644160	8	126.2	ss715646530

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
8	126.5	ss715646531	9	1.0	ss715650426
8	127.4	ss715646512	9	1.0	ss715650429
8	127.7	ss715646508	9	1.3	ss715648418
8	131.8	ss715646091	9	1.6	ss715648417
8	131.8	ss715646089	9	1.9	ss715648411
8	131.8	ss715646090	9	3.1	ss715648416
8	132.2	ss715646092	9	3.4	ss715648413
8	132.5	ss715646100	9	4.4	ss715639831
8	132.8	ss715646105	9	6.8	ss715641167
8	132.8	ss715646102	9	6.8	ss715641166
8	132.8	ss715646103	9	6.8	ss715650241
8	132.8	ss715646109	9	7.1	ss715649127
8	133.3	ss715646116	9	8.0	ss715641168
8	133.6	ss715646119	9	9.0	ss715649128
8	133.6	ss715646120	9	11.8	ss715640136
8	134.2	ss715646121	9	12.7	ss715641215
8	134.2	ss715646122	9	12.9	ss715642730
8	134.4	ss715646770	9	13.2	ss715642380
8	135.2	ss715646755	9	13.2	ss715642381
8	135.6	ss715646756	9	13.9	ss715641565
8	135.6	ss715646759	9	14.1	ss715640076
8	135.6	ss715646758	9	14.2	ss715644835
8	136.1	ss715646762	9	14.2	ss715641646
8	136.1	ss715646761	9	14.4	ss715647929
8	136.1	ss715646763	9	14.6	ss715641647
8	138.6	ss715646767	9	14.6	ss715648805
8	147.6	ss715647397	9	15.0	ss715644186
8	147.6	ss715647393	9	15.0	ss715647840
8	147.6	ss715647398	9	17.8	ss715645733
8	148.1	ss715647394	9	18.6	ss715639241
8	148.4	ss715647392	9	18.7	ss715645725
8	149.2	ss715647387	9	18.9	ss715645723
8	150.0	ss715647403	9	18.9	ss715645729
8	150.0	ss715647404	9	19.8	ss715645741
8	150.1	ss715647389	9	19.8	ss715645745
8	150.1	ss715650658	9	19.8	ss715645742
8	150.4	ss715650659	9	20.6	ss715645176
9	0.0	ss715648415	9	22.1	ss715645103
9	0.6	ss715650427	9	22.8	ss715650811
9	1.0	ss715648419	9	24.0	ss715647279

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
9	24.0	ss715647277	9	37.7	ss715646627
9	24.3	ss715647275	9	37.9	ss715646626
9	24.6	ss715646175	9	37.9	ss715639346
9	25.6	ss715639275	9	37.9	ss715646631
9	25.7	ss715646177	9	37.9	ss715646634
9	25.9	ss715646181	9	37.9	ss715646635
9	26.3	ss715646186	9	39.1	ss715646639
9	26.5	ss715646187	9	42.3	ss715639457
9	26.5	ss715646188	9	42.4	ss715639456
9	26.5	ss715646190	9	42.9	ss715642971
9	26.5	ss715646189	9	43.1	ss715648827
9	26.5	ss715646192	9	45.0	ss715648557
9	27.6	ss715646663	9	45.2	ss715640123
9	28.1	ss715649795	9	46.2	ss715639439
9	28.5	ss715646257	9	46.7	ss715646990
9	28.8	ss715639279	9	47.0	ss715639438
9	28.8	ss715644493	9	47.2	ss715646994
9	28.8	ss715646259	9	48.8	ss715647131
9	29.6	ss715639276	9	49.2	ss715639484
9	30.2	ss715639277	9	49.2	ss715639485
9	30.2	ss715646255	9	49.2	ss715646853
9	30.2	ss715646254	9	49.5	ss715646842
9	30.5	ss715641018	9	49.5	ss715646841
9	30.8	ss715651042	9	49.9	ss715646860
9	31.3	ss715639498	9	50.7	ss715647801
9	31.3	ss715647267	9	52.9	ss715639453
9	31.6	ss715647262	9	53.1	ss715650650
9	31.7	ss715644603	9	53.4	ss715647004
9	32.1	ss715640390	9	53.7	ss715639452
9	32.4	ss715644602	9	54.0	ss715648175
9	32.4	ss715647274	9	54.0	ss715650610
9	32.4	ss715649356	9	54.0	ss715649388
9	32.7	ss715639339	9	54.3	ss715648787
9	32.7	ss715640389	9	54.9	ss715641078
9	32.7	ss715646561	9	55.5	ss715646040
9	34.7	ss715648638	9	55.5	ss715646045
9	35.7	ss715640002	9	55.8	ss715646048
9	36.1	ss715647977	9	56.0	ss715646050
9	36.2	ss715647978	9	56.0	ss715640432
9	37.3	ss715646642	9	56.4	ss715649402

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
9	57.0	ss715649362	9	78.0	ss715647625
9	58.3	ss715639636	9	78.1	ss715647626
9	58.3	ss715647692	9	78.3	ss715647621
9	58.3	ss715647695	9	78.7	ss715649929
9	58.3	ss715647152	9	78.7	ss715649931
9	58.8	ss715645146	9	79.2	ss715645608
9	60.3	ss715646065	9	79.8	ss715645632
9	61.0	ss715640478	9	79.8	ss715645634
9	61.9	ss715639264	9	84.6	ss715647175
9	62.8	ss715639263	9	85.0	ss715645615
9	63.5	ss715639665	9	85.0	ss715647181
9	64.0	ss715639261	9	85.0	ss715647195
9	64.4	ss715639258	9	88.0	ss715639494
9	64.4	ss715639259	9	88.0	ss715647173
9	64.4	ss715639260	9	88.0	ss715647174
9	64.4	ss715639257	9	88.0	ss715647177
9	64.5	ss715643923	9	88.8	ss715647170
9	65.2	ss715648165	9	90.0	ss715647176
9	65.2	ss715647616	9	90.0	ss715647178
9	65.2	ss715648166	9	90.4	ss715647180
9	65.4	ss715648168	9	91.7	ss715647184
9	65.6	ss715647632	9	92.1	ss715647189
9	65.9	ss715647615	9	93.0	ss715647187
9	65.9	ss715647633	9	93.0	ss715647183
9	66.1	ss715647628	9	93.3	ss715647190
9	66.1	ss715647629	9	93.9	ss715646071
9	66.5	ss715646361	9	94.1	ss715646069
9	68.3	ss715646555	9	122.8	ss715645701
9	68.7	ss715646553	9	123.1	ss715645703
9	68.7	ss715646550	9	123.4	ss715645702
9	68.7	ss715646548	9	125.4	ss715646656
9	69.8	ss715646547	9	127.8	ss715646662
9	71.3	ss715639305	9	128.0	ss715646660
9	71.4	ss715639307	10	0.0	ss715641659
9	71.4	ss715639304	10	0.0	ss715640711
9	76.2	ss715647627	10	0.0	ss715640713
9	77.0	ss715645606	10	0.0	ss715643007
9	77.0	ss715645616	10	5.0	ss715647865
9	77.0	ss715645621	10	6.3	ss715640510
9	78.0	ss715647622	10	6.5	ss715649654

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
10	6.8	ss715648423	10	24.8	ss715641543
10	9.1	ss715648754	10	24.8	ss715643292
10	9.4	ss715639759	10	25.4	ss715640132
10	11.2	ss715648041	10	25.7	ss715642343
10	13.2	ss715648898	10	26.7	ss715640931
10	13.2	ss715649792	10	26.7	ss715650288
10	14.1	ss715643470	10	26.8	ss715642536
10	14.7	ss715649389	10	26.8	ss715644852
10	14.7	ss715649391	10	27.0	ss715644135
10	15.3	ss715649087	10	27.0	ss715640933
10	15.5	ss715649085	10	27.0	ss715643038
10	15.5	ss715649086	10	27.0	ss715639714
10	16.6	ss715649350	10	27.0	ss715642395
10	16.6	ss715649351	10	27.1	ss715644179
10	18.0	ss715644951	10	27.4	ss715643450
10	18.0	ss715644950	10	27.5	ss715645057
10	19.3	ss715639416	10	27.5	ss715643669
10	19.6	ss715642219	10	27.6	ss715642046
10	19.9	ss715640116	10	27.6	ss715641125
10	20.6	ss715640117	10	27.7	ss715643251
10	20.6	ss715649365	10	27.8	ss715641982
10	20.6	ss715649485	10	27.9	ss715643619
10	20.8	ss715649490	10	27.9	ss715640815
10	21.7	ss715641423	10	27.9	ss715650927
10	21.7	ss715644856	10	27.9	ss715649667
10	21.7	ss715639666	10	27.9	ss715650608
10	21.7	ss715640999	10	27.9	ss715651166
10	21.7	ss715641424	10	27.9	ss715644391
10	22.0	ss715639772	10	28.0	ss715640957
10	22.0	ss715650099	10	28.2	ss715644004
10	22.0	ss715640976	10	28.5	ss715642315
10	22.7	ss715650072	10	28.5	ss715643073
10	23.3	ss715642139	10	28.5	ss715640179
10	23.3	ss715650073	10	28.5	ss715642177
10	23.5	ss715643974	10	28.5	ss715643520
10	24.0	ss715642299	10	28.5	ss715643695
10	24.2	ss715641309	10	28.5	ss715644229
10	24.8	ss715639710	10	28.5	ss715642108
10	24.8	ss715643612	10	28.5	ss715639617
10	24.8	ss715643607	10	28.5	ss715640868

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
10	28.5	ss715643528	10	30.3	ss715644050
10	28.5	ss715650421	10	30.3	ss715640413
10	28.5	ss715642457	10	30.3	ss715641356
10	28.5	ss715643330	10	30.3	ss715641826
10	28.8	ss715640418	10	30.3	ss715642287
10	28.8	ss715641360	10	30.3	ss715643204
10	28.8	ss715643487	10	30.3	ss715643412
10	29.4	ss715640671	10	30.3	ss715640368
10	29.4	ss715640653	10	30.3	ss715640932
10	29.4	ss715640654	10	30.3	ss715641140
10	29.4	ss715640956	10	30.3	ss715647882
10	29.4	ss715641057	10	30.3	ss715643667
10	29.4	ss715641957	10	30.5	ss715641947
10	29.4	ss715642318	10	30.6	ss715641643
10	29.4	ss715643074	10	30.7	ss715644632
10	29.4	ss715643636	10	30.8	ss715640936
10	29.4	ss715644168	10	30.9	ss715643555
10	29.4	ss715644713	10	30.9	ss715640089
10	29.4	ss715641139	10	30.9	ss715641729
10	29.4	ss715641357	10	30.9	ss715639558
10	29.4	ss715643565	10	30.9	ss715640811
10	29.4	ss715642058	10	30.9	ss715642790
10	29.4	ss715643557	10	30.9	ss715642044
10	29.4	ss715650287	10	31.6	ss715639616
10	29.6	ss715644574	10	31.6	ss715639618
10	29.7	ss715643067	10	31.9	ss715640443
10	29.7	ss715640492	10	31.9	ss715642204
10	29.7	ss715643174	10	31.9	ss715642345
10	29.7	ss715642489	10	31.9	ss715639936
10	29.7	ss715650181	10	31.9	ss715639935
10	29.7	ss715650897	10	33.0	ss715639344
10	29.8	ss715642357	10	33.0	ss715649366
10	29.9	ss715648859	10	33.0	ss715640905
10	30.0	ss715640573	10	33.0	ss715639725
10	30.0	ss715642102	10	33.0	ss715639726
10	30.0	ss715641358	10	33.0	ss715642379
10	30.0	ss715650396	10	33.0	ss715639723
10	30.0	ss715640415	10	33.4	ss715639706
10	30.2	ss715644768	10	36.4	ss715646967
10	30.3	ss715640934	10	37.4	ss715646977

RxO	RxO		RxO	RxO	
linkage	position	NCBI_Assay	linkage	position	NCBI_Assay
group	(cM)	ID	group	(cM)	ID
10	37.5	ss715646976	11.2	22.1	ss715647776
10	52.9	ss715646343	11.2	22.9	ss715646314
10	53.2	ss715646348	11.2	26.5	ss715647999
10	54.1	ss715650584	11.2	27.1	ss715648199
10	57.4	ss715645505	11.2	27.1	ss715648200
10	57.6	ss715645508	11.2	27.1	ss715648201
10	58.5	ss715645513	11.2	27.1	ss715648198
10	59.3	ss715645516	11.2	32.5	ss715642990
10	60.8	ss715645524	11.2	35.0	ss715647554
10	61.5	ss715645522	11.2	35.0	ss715647552
10	81.8	ss715645503	11.2	35.1	ss715647544
10	81.8	ss715645504	11.2	35.1	ss715647535
11.1	0.0	ss715641317	11.2	35.6	ss715647460
11.1	0.5	ss715650383	11.2	35.6	ss715647459
11.1	6.1	ss715645482	11.2	35.6	ss715647555
11.2	0.0	ss715645562	11.2	35.7	ss715647467
11.2	0.7	ss715645563	11.2	35.7	ss715647546
11.2	1.2	ss715645565	11.2	35.8	ss715647558
11.2	7.7	ss715645542	11.2	47.1	ss715639767
11.2	7.7	ss715645544	11.2	47.3	ss715648091
11.2	8.0	ss715645546	11.2	49.1	ss715648084
11.2	8.5	ss715645547	11.2	49.1	ss715648086
11.2	8.5	ss715645548	11.2	49.4	ss715647455
11.2	8.8	ss715645549	11.2	51.6	ss715647451
11.2	9.1	ss715645554	11.2	51.7	ss715647771
11.2	17.5	ss715646311	11.2	54.5	ss715640322
11.2	17.5	ss715649668	11.2	55.5	ss715649910
11.2	17.5	ss715649671	11.2	55.5	ss715640836
11.2	20.0	ss715649514	11.2	55.8	ss715648100
11.2	20.7	ss715641754	11.2	56.2	ss715648093
11.2	20.8	ss715649760	11.2	56.5	ss715648099
11.2	21.3	ss715650431	11.2	56.7	ss715648095
11.2	21.3	ss715648426	11.2	60.6	ss715647839
11.2	21.7	ss715639659	11.2	60.6	ss715650749
11.2	21.7	ss715647742	11.2	61.0	ss715649382
11.2	21.8	ss715647738	11.2	61.5	ss715640405
11.2	21.9	ss715647743	11.2	61.9	ss715641910
11.2	21.9	ss715647102	11.2	64.5	ss715640406
11.2	22.0	ss715647103	11.2	64.5	ss715650328
11.2	22.0	ss715647101	11.2	65.2	ss715649519

RxO			RxO		
linkage group	position (cM)	NCBI_Assay ID	linkage group	position (cM)	NCBI_Assay ID
11.2	65.5	ss715640315	11.2	68.3	ss715640757
11.2	67.1	ss715640756	11.2	69.3	ss715649592
11.2	67.8	ss715640758	11.2	69.9	ss715640613
11.2	68.1	ss715640612	11.2	69.9	ss715649591