

**Table S1.** Regions of the Panel Design with A Poor Coverage.

	Region		Gene	NM	Exon	% of the Region not Covered
	Start	End				
chr1	6484847	6485309	<i>ESPN</i>	NM_031475	1	5%
chr1	6500313	6500500	<i>ESPN</i>	NM_031475	3	50%
chr1	6500685	6500868	<i>ESPN</i>	NM_031475	4	40%
chr1	6505723	6505995	<i>ESPN</i>	NM_031475	7	75%
chr1	6508700	6509151	<i>ESPN</i>	NM_031475	8	12%
chr1	6511662	6511808	<i>ESPN</i>	NM_031475	9	13%
chr16	21742157	21742251	<i>OTOA</i>	NM_144672	20	90%
chr16	21747581	21747711	<i>OTOA</i>	NM_144672	21	20%
chr16	21752041	21752229	<i>OTOA</i>	NM_144672	22	100%
chr16	21756201	21756357	<i>OTOA</i>	NM_144672	23	100%
chr16	21763255	21763398	<i>OTOA</i>	NM_144672	24	100%
chr16	21763689	21763826	<i>OTOA</i>	NM_144672	25	100%
chr16	21768402	21768598	<i>OTOA</i>	NM_144672	27	100%
chr16	21771790	21772050	<i>OTOA</i>	NM_144672	28	100%
chr15	43891760	43891958	<i>STRC</i>	NM_153700	29	75%
chr15	43892157	43892305	<i>STRC</i>	NM_153700	28	65%
chr15	43892731	43892880	<i>STRC</i>	NM_153700	26	8%
chr15	43893069	43893212	<i>STRC</i>	NM_153700	25	6%
chr15	43896193	43896350	<i>STRC</i>	NM_153700	22	100%
chr15	43896847	43897044	<i>STRC</i>	NM_153700	20	50%
chr15	43897461	43897597	<i>STRC</i>	NM_153700	19	25%
chr15	43900060	43900173	<i>STRC</i>	NM_153700	18	30%
chr15	43900277	43900401	<i>STRC</i>	NM_153700	17	50%
chr15	43901473	43901532	<i>STRC</i>	NM_153700	16	100%
chr15	43902509	43902635	<i>STRC</i>	NM_153700	15	90%
chr15	43903116	43903182	<i>STRC</i>	NM_153700	14	100%
chr15	43903345	43903513	<i>STRC</i>	NM_153700	13	50%
chr15	43903696	43903735	<i>STRC</i>	NM_153700	12	100%
chr15	43904039	43904222	<i>STRC</i>	NM_153700	11	100%
chr15	43904574	43904707	<i>STRC</i>	NM_153700	10	100%
chr15	43904988	43905104	<i>STRC</i>	NM_153700	9	100%
chr15	43905242	43905429	<i>STRC</i>	NM_153700	8	100%
chr15	43906084	43906251	<i>STRC</i>	NM_153700	7	100%
chr15	43906393	43906510	<i>STRC</i>	NM_153700	6	100%
chr15	43906611	43906674	<i>STRC</i>	NM_153700	5	85%
chr15	43907630	43908888	<i>STRC</i>	NM_153700	4	100%
chr15	43909655	43909680	<i>STRC</i>	NM_153700	3	100%
chr15	43909768	43910554	<i>STRC</i>	NM_153700	2	30%
chr15	43910856	43910998	<i>STRC</i>	NM_153700	1	90%