

**Table S1** Genes between the homologous turbot sequences of SmaUSC-E30 and SmaSNP\_31, at 6.06 Mb and 6.64 Mb, respectively, in the stickleback LGVIII chromosome.

Ensembl Gene ID	Gene Start (bp)	Gene End (bp)	Associated Gene Name
ENSGACG00000006052	6057829	6066578	<i>fxr1</i>
ENSGACG00000006076	6068380	6070562	<i>dnajc19</i>
ENSGACG00000006099	6128772	6153394	
ENSGACG00000006100	6157588	6158556	<i>sox2</i>
ENSGACG00000006104	6308502	6339588	<i>atp11b</i>
ENSGACG00000006125	6344114	6350026	<i>mccc1</i>
ENSGACG00000006138	6356136	6360741	<i>kng1</i>
ENSGACG00000006156	6364215	6377038	<i>PIK3CA</i>
ENSGACG00000006175	6384998	6388251	<i>ZMAT3</i>
ENSGACG00000006180	6394455	6397463	
ENSGACG00000006189	6448564	6475804	<i>LRRC7</i>
ENSGACG00000006210	6485834	6533369	
ENSGACG00000006216	6549844	6552127	
ENSGACG00000006222	6557305	6563824	<i>mfi2</i>
ENSGACG00000006229	6565695	6568855	<i>fkbp2</i>
ENSGACG00000006237	6566121	6567033	
ENSGACG00000006238	6569593	6572048	<i>ncbp2</i>
ENSGACG00000006258	6590103	6632830	
ENSGACG00000006285	6647309	6655988	<i>cp</i>