

**Table S3 SSLP and SNP marker linkage data**

Zebrafish mutant	Chr <sup>a</sup>	Region of homogeneity (Mb) <sup>b</sup>	Marker <sup>c</sup>	Position <sup>d</sup> (Mb)	Recombinants/meiosis <sup>e</sup>
<i>moto</i>	3	19-36.6	z9964	34.3	2/90
<i>wdd</i>	8	51.8-55	<i>bmp1a</i>	53.5	0/66
<i>hlw</i>	8	43-47	z25210	43	2/44
			z7130	45.6	1/46
<i>frnt</i>	4	15-27.8	z11538	23.1	3/44
			z20450	24.4	2/44
<i>sump</i>	16	41.8-51.2	z8819	41.3	2/56
			z15739	43.9	0/56
			z4670	50.8	1/40
			z6854	50.6	1/40

<sup>a</sup>Chromosome showing the highest mapping score. <sup>b</sup>Interval on the chromosome showing homogeneity. <sup>c</sup>Marker used to confirm linkage. <sup>d</sup>Marker position on the Chromosome in Mb. <sup>e</sup>Recombinants identified for each marker in the number of meiosis tested.