

Table S1 WS220 Hawaiian Variants filtered to assist in CloudMap *Hawaiian Variant Mapping with WGS Data* plot normalization. This table provides details on the numbers of Hawaiian SNPs subtracted from mapping analysis for purposes of SNP mapping plot normalization. Details provided in text and in **Fig.7**.

Mutant	Trans-gene	Location of trans-gene (LG)	Location of Mutation (LG)	LG I	LG II	LG III	LG IV	LG V	LG X	< .05 or > .95 ratio positions	< .05 or > .95 ratio positions after transgene & mutation LGs removed
<i>ot219</i>	<i>otls114</i>	I	V	✓	✓	✓	✓		✓	15,873	4,003
<i>ot266</i>	<i>vtls1</i>	V	X	✓	✓	✓	✓		✓*	13,669	11,033
<i>ot628</i>	<i>oxls12,</i> <i>vsIs33</i>	V, X	I, V	✓	✓	✓	✓			22,268	3,367
<i>ot641</i>	<i>otls138,</i> <i>vs33</i>	V, X	X	✓	✓	✓	✓			9,616	4,314
<i>ot642</i>	<i>otls138,</i> <i>vs133</i>	V, X	X	✓	✓	✓	✓		✓**	13,589	5,021
<i>ot704</i>	<i>otls341</i>	X	I		✓	✓	✓	✓		14,805	7,197
<i>ot705</i>	<i>otls341</i>	X	III	✓	✓		✓	✓		14,686	7,969

✓ Considered SNPs on this chromosome for filtering

* Excluding 6-13 Mb

** Excluding 0-6 Mb

Total dataset used:

WS220_WormMart HA SNPs: 112,061 Variants

<.05 or >.95 ratio positions in at least 2 samples: 8,715 Variants

<.05 & >.95 ratio positions in all 7 samples:1,563 Variants

Final curated Hawaiian SNP list (WS220.64): 103,346 Variants