

**Table S4.** Analysis of variance (ANOVA) of quantitative parameters. SH = seed height; SW = seed width; SL = seed length; PL = pod length; SxP= seed /pod; 100W = 100-seed weight; Y = dry bean yield.

<b>Variable</b>	<b>Df</b>	<b>Sum Sq</b>	<b>Mean Sq</b>	<b>F value</b>	<b>Pr(&gt;F)</b>
<b>SH</b>	56	375.0	63.750	8.277	<0,0001
<b>SW</b>	56	426.03	7.608	8.371	<0,0001
<b>SL</b>	56	1013.59	18.100	17.562	<0,0001
<b>PL</b>	56	1587.17	28.342	12.639	<0,0001
<b>SxP</b>	56	372.96	6.600	6.058	<0,0001
<b>100W</b>	56	24325.8	434.39	52.697	<0,0001
<b>Y</b>	57	201.10	35.438	74.362	<0,0001