

Table 2 The distribution and effect of QTL locus in *D. Mangosteen*

Trait	Trait locus	Linkage group	LOD value	Peak position (cM)	Flanking markers	Distance (cM)	R ² (%)
Dorsal sepal length	Dsl	LGM16	3.75	86.8	R6R10-1121-M10E5-96	3.0	16.8
Dorsal sepal width	Dsw1	LGM10	2.78	32.8	UBC812-600-M6E16-483	2.0	12.7
	Dsw2	LGM13	2.71	27.0	M8E7-509-M3E6-169	2.0	12.4
	Dsw3	LGM21	3.22	41.6	M7E4-148-M13E8-296	7.0	14.6
Lateral sepal length	Lsl1	LGM16	2.75	26.5	M14E4-152-M10E11-249	5.0	12.6
	Lsl2	LGM16	3.28	85.8	R6R10-1121-M10E5-96	2.0	14.8
Lateral sepal width	Lsw1	LGM15	3.26	31.9	M6E4-595-M10E3-146	0	14.8
	Lsw2	LGM16	2.61	60.0	M8E8-288-M8E8-284	0	12.0
	Lsw3	LGM16	2.58	81.5	M9E17-129-R6R10-1121	2.3	11.9