

S1 Examination of reference data - Tukey (HSD) and Dunett (two sided) test/ Analysis of the differences between the categories with a confidence interval of 95%

### Dry matter – DM

Summary of all pairwise comparisons for DM (Tukey (HSD)):

Category	LS means(DM)	Groups
Immature	21,702	A
Mature	18,712	B

Summary (LS means) - DM

	DM
Immature	21,702 <sup>a</sup>
Mature	18,712 <sup>b</sup>
Pr > F(Model)	< 0,0001
Significant	Yes

### Titrateable acidity TA

Summary of all pairwise comparisons for TA (Tukey (HSD)):

Category	LS means(TA)	Groups
Immature	1,520	A
Mature	0,891	B

Summary (LS means) - TA

	TA
Immature	1,520 <sup>a</sup>
Mature	0,891 <sup>b</sup>
Pr > F(Model)	< 0,0001
Significant	Yes

### Total soluble solid – TSS

Summary of all pairwise comparisons for TSS (Tukey (HSD)):

Category	LS means(TSS)	Groups
Mature	14,074	A
Immature	8,742	B

Summary (LS means) - TSS

	TSS
1	14,074 <sup>a</sup>
2	8,742 <sup>b</sup>
Pr > F(Model)	< 0,0001
Significant	Yes

**Maturity index MI=TSS/TA**

Category	LS means(MI)	Groups
Mature	16,383	A
Immature	5,713	B

**Summary (LS means) - MI**

	MI
Mature	16,383 <sup>a</sup>
Immature	5,713 <sup>b</sup>
Pr > F(Model)	< 0,0001
Significant	Yes