

**Supplementary Table 1: Ranges, means and variances for the entire and core collections (season 2011-2012) derived using POWERCORE and MSTRAT.**

Phenotypic Traits	Entire collection (Season 2011-2012)			CC 2 (POWERCORE)			CC 5 (MSTRAT)		
	Range	Mean	Variance	Range	Mean	Variance	Range	Mean	Variance
<b>Oil content (%)</b>	16-50	31	20.2	19-50	32	51.5	16-50	32	48.9
<b>Oleic acid (%)</b>	9-82	19	161.2	11-77	32	517.5	11-79	32	605.9
<b>Linoleic acid (%)</b>	13-87	71	151.7	13-87	59	493.3	13-87	59	574.5
<b>Seed weight (gm)</b>	1-8	5	2.0	1-8	4	3.0	1-8	4	3.2
<b>Plant height (cm)</b>	94-226	154	578.3	111-226	158	654.5	97-226	154	913.3
<b>Number of heads per plant</b>	11-203	74	1508	19-203	94	4607.9	19-194	88	3320.1
<b>Number of primary branches</b>	5-33	14	25.5	6-33	17	54.7	6-33	17	49.2
<b>Days to 50%</b>	119-160	141	44.0	123-159	141	76.1	119-	140	126.7

