

**Table S3** Analysis of geographical variation in *Arabidopsis mucilage*

	Within region variation		Between region variation	
	Asia	Norway	Asia and Norway	Asia, France, Norway, Spain
Mucilage	$F_{ST} = 1$	$F_{ST} = 0.85$	$F_{CT} = 0$	$F_{CT} = 0.123$
<i>MUM2</i>	$F_{ST} = 0.84$	$F_{ST} = 0.86$	$F_{CT} = 0.41$	not analyzed
Neutral markers *	$F_{ST} = 0 - 1$	$F_{ST} = 0 - 1$	$F_{CT} = 0 - 0.90$	$F_{CT} = 0.06-0.24$

SNP, single nucleotide polymorphism;  $F_{ST}$ , fixation index among populations;  $F_{CT}$ , fixation index among regions. For neutral markers, the 95 percentiles of the distribution observed for 137 SNP markers and 20 microsatellite markers is given. Values observed for mucilage and *MUM2* fall within the 95 percentile of the neutral markers.