

Sequencing depth and genotype quality: Accuracy and breeding operation considerations for genomic selection applications in autopolyploid crops

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Online Resource 1 Growing conditions for sweetpotato mapping population (BT) experiments in five environments of Peru indicating, geographic positions, elevation, mean atmospheric temperature (μ Temp), mean photosynthetically active radiation (μ PAR), rainfall, relative humidity, soil conditions, planting designs, planting and harvesting dates. **Published in Gemenet et al. 2020.**

	Ica16C	Ica16D	Ica17C	Ica17D	SR16
Location	Ica				San Ramon
Latitude	14° 01' 44.7" S				11°07'29"S
Longitude	75° 44' 37.5" W				75° 21' 25" W
Altitude	420 masl				820 masl
Plot size	6 m ²		4.8 m ²		9 m ²
μ Temp	22 °C		24 °C		27 °C
μ PAR	359 uE		458 uE		
Rainfall	0 mm		5 mm		122 mm
Relative humidity	69%		66%		61%
SoilTemp	25°C	23.6°C	27 °C	26 °C	
Soil type	Sandy Loam				Sandy clay loam
Electrical conductivity	2.26 dS/m		0.40 dS/m		0.07 ds/m
pH	7.78		8.4		5.6

	Ica16C	Ica16D	Ica17C	Ica17D	SR16
Bulk density	1.44 g/cc				
Field capacity	14.70%				
Wilting point	7.60%				
μ Water potential	-233 KPa	-719 KPa	-73 KPa	-459 KPa	
Planting date	25/02/2016		15/11/2016		14/05/2016
Harvesting date	29/06/2016		17/03/2017		15/09/2016
Replications	2				3