Available data From Enza	Colored top pictures	Silhouette side pictures	3D data in coordinates
198 genotypes ~ 200 plants per genotype			1 67 97 3 2 68 97 3 3 69 97 3 4 70 97 3 5 67 98 3 6 68 98 3 7 69 98 3 10 68 97 4 11 69 97 4 12 70 97 4 13 68 98 4 14 70 98 4 15 69 99 4
Filter on:	HSV Color space	Value,from HSV	Nothing
	Value	Hue  Value  Value	It's already just coordinates, what would I filter on?
	CieLAB color space  b*  L*=75	Background filtering	
	Size Should cover at least 0,12% of image to be considered plant  Noise All "masks" are blurred  Machine learning All parameters and thresholds here have been estimated with (naive) machine learning	Size Should cover at least 0,12% of image to be considered plant Noise All "masks" are blurred	
Recognized plant	Color Channel  blue  blue-yellow  green  green-magenta  hue  lightness  red  saturation  value		0 - 25 - 50 - 75 - 100 - 150 - 175 - 50 - 75 - 50 - 75 - 100 - 125 - 150 - 175 - 100 - 125 - 150 - 175 - 150 - 175 - 150 - 175 - 150 - 175 - 150 - 175 - 150 - 175 - 150 - 175 - 150 - 175 - 150 - 175 - 150 - 175 - 150
Traits to quantify	<ul><li>Morphology (top)</li><li>Area and convex</li><li>Shape (top)</li><li>Color</li></ul>	- Morphology (side) - Shape (side)	<ul> <li>Morphology (top and side)</li> <li>Area and convex</li> <li>Shape(top and side)</li> <li>Color could work if I use the 3D as a mask for the rgb image</li> </ul>