

Table S3. Comparison of stele and xylem areas in the six turnip accessions. Numbers indicate mean $\pm$ standard deviation.

Section position	Accession	Stele diameter (μm)	Pith ratio	Xylem ratio	Phloem ratio	Lignification ratio	Xylem / Phloem
a 5mm under cotyledon	VT_115	2047.88 $\pm$ 156.93	0.04 $\pm$ 0.01	0.74 $\pm$ 0.03	0.22 $\pm$ 0.03	0.04 $\pm$ 0.01	3.43 $\pm$ 0.52
	VT_117	1282.19 $\pm$ 64.85	0.05 $\pm$ 0.01	0.68 $\pm$ 0.01	0.27 $\pm$ 0.01	0.11 $\pm$ 0.02	2.53 $\pm$ 0.17
	VT_012	2270.07 $\pm$ 174.66	0.03 $\pm$ 0	0.65 $\pm$ 0.05	0.32 $\pm$ 0.05	0.07 $\pm$ 0.01	2.08 $\pm$ 0.5
	VT_053	734.36 $\pm$ 66.82	0.05 $\pm$ 0.01	0.7 $\pm$ 0.03	0.25 $\pm$ 0.02	0.29 $\pm$ 0.03	2.89 $\pm$ 0.39
	VT_052	800.36 $\pm$ 86.03	0.16 $\pm$ 0.02	0.55 $\pm$ 0.02	0.29 $\pm$ 0.03	0.1 $\pm$ 0.01	1.89 $\pm$ 0.23
	VT_123	1668.69 $\pm$ 132.32	0.06 $\pm$ 0.01	0.63 $\pm$ 0.03	0.31 $\pm$ 0.04	0.01 $\pm$ 0	2.08 $\pm$ 0.37
b middle position	VT_115	2109.54 $\pm$ 159.88	0.03 $\pm$ 0.01	0.78 $\pm$ 0.04	0.2 $\pm$ 0.03	0.03 $\pm$ 0.02	4.06 $\pm$ 0.84
	VT_117	1298.63 $\pm$ 193.13	0.03 $\pm$ 0.01	0.7 $\pm$ 0.03	0.26 $\pm$ 0.02	0.1 $\pm$ 0.02	2.7 $\pm$ 0.39
	VT_012	2163.14 $\pm$ 135.17	0.03 $\pm$ 0	0.62 $\pm$ 0.02	0.35 $\pm$ 0.02	0.05 $\pm$ 0.01	1.74 $\pm$ 0.13
	VT_053	842.82 $\pm$ 49.2	0.04 $\pm$ 0.01	0.72 $\pm$ 0.01	0.24 $\pm$ 0.01	0.15 $\pm$ 0.03	3.01 $\pm$ 0.18
	VT_052	870.69 $\pm$ 109.59	0.03 $\pm$ 0.01	0.66 $\pm$ 0.03	0.31 $\pm$ 0.03	0.08 $\pm$ 0.01	2.2 $\pm$ 0.33
	VT_123	1418.42 $\pm$ 383.51	0 $\pm$ 0	0.65 $\pm$ 0.12	0.35 $\pm$ 0.12	0.04 $\pm$ 0.02	2.09 $\pm$ 0.79
c 5mm above the bottom	VT_115	1902.95 $\pm$ 142.7	0.05 $\pm$ 0.01	0.75 $\pm$ 0.04	0.2 $\pm$ 0.04	0.03 $\pm$ 0.01	3.87 $\pm$ 0.86
	VT_117	1120.67 $\pm$ 130.99	0.03 $\pm$ 0.01	0.7 $\pm$ 0.01	0.26 $\pm$ 0.01	0.1 $\pm$ 0.01	2.66 $\pm$ 0.12
	VT_012	2169.04 $\pm$ 213.47	0 $\pm$ 0	0.69 $\pm$ 0.03	0.31 $\pm$ 0.03	0.01 $\pm$ 0.01	2.23 $\pm$ 0.31
	VT_053	765.46 $\pm$ 50.71	0.04 $\pm$ 0	0.68 $\pm$ 0.03	0.29 $\pm$ 0.03	0.04 $\pm$ 0.01	2.4 $\pm$ 0.35
	VT_052	856.34 $\pm$ 182.92	0 $\pm$ 0	0.69 $\pm$ 0.06	0.31 $\pm$ 0.06	0 $\pm$ 0	2.37 $\pm$ 0.62
	VT_123	1556.45 $\pm$ 147.11	0 $\pm$ 0	0.7 $\pm$ 0.02	0.3 $\pm$ 0.02	0.03 $\pm$ 0	2.35 $\pm$ 0.23