

**Supplementary Table 1: Number of reads per sample in course of data processing. Prior to quality filtering raw reads from the biological replicates were joined.**

Sample name	Olive cultivar (origin)	Replicate	Number of raw reads	Accession no. Sequence Read Archive (SRA, NCBI)	Number of quality reads	Number of reads after excluding plant plastid-derived reads
SP3	Arbequino (Spain)	1	63,026	SRR1781607	72,800	1,583
		2	17,152			
		3	13,220			
		<b>Sum</b>	<b>93,398</b>			
SP5	Ocal (Spain)	1	109,325	SRR1781712	214,760	705
		2	47,994			
		3	93,325			
		<b>Sum</b>	<b>250,644</b>			
I2	Leccino (Italy)	1	54,316	SRR1781720	184,324	998
		2	77,720			
		3	78,790			
		<b>Sum</b>	<b>210,826</b>			
GR1	Koroneiki (Greece)	1	61,732	SRR1781736	155,490	320
		2	88,878			
		3	22,909			
		<b>Sum</b>	<b>173,519</b>			
GR2	Kalamata (Greece)	1	88,194	SRR1781767	168,378	210
		2	59,146			
		3	51,921			
		<b>Sum</b>	<b>199,261</b>			
TUN1	Chétoni (Tunisia)	1	97,612	SRR1781768	243,741	550
		2	104,814			
		3	88,720			
		<b>Sum</b>	<b>291,146</b>			
SII	Trylia	1	72,028	SRR1781984	211,470	497
		2	77,835			
		3	89,262			
		<b>Sum</b>	<b>239,125</b>			
MO1	Picholine Marrocaïne (Morocco)	1	96,852	SRR1781986	264,994	417
		2	85,352			
		3	109,840			
		<b>Sum</b>	<b>292,044</b>			
PO1	Galega (Portugal)	1	90,858	SRR1781987	268,713	292
		2	91,198			
		3	125,200			
		<b>Sum</b>	<b>307,256</b>			
FR1	Aglandau (France)	1	39,149	SRR1781988	182,079	278
		2	92,954			
		3	76,243			
		<b>Sum</b>	<b>208,346</b>			
CY	Oleaster (Cyprus)	1	95,967	SRR1781989	225,374	310
		2	65,062			
		3	92,225			
		<b>Sum</b>	<b>253,254</b>			
GR (wild)	Oleaster (Greece)	1	33,202	SRR1781990	95,836	716
		2	30,367			
		3	45,837			
		<b>Sum</b>	<b>109,406</b>			
M1	Oleaster (Madeira)	1	75,616	SRR1782571	155,426	964
		2	25,052			
		3	76,027			
		<b>Sum</b>	<b>176,695</b>			