

**Table S2. Accession numbers and protein sequence of OdiMTs from different *O. dioica* populations.**

<b>OdiMT1</b>		
OdiMT1 <sub>NOR</sub>	CABV01001936.1	MDPVCSFRCCCEENCAGCVDCPAGCDPCKCTLEVCKKVCEGCKDCPPGCEPCKCEKCKSTKKCKSNCCPTSTAE
OdiMT1 <sub>CAT</sub>	MH547307	MDPVCSFRCCCEENCAGCVDCPAGCDPCKFTMEVCKKVCEGCKDCPPGCEPCKCAKCKSTKQCKSNCCPTSTAE
ΨOdiMT1 <sub>CAT</sub>	MH577048	NCAGCVDCPAGCDPCKCTLEVCKKVCEGCKDCPPGCEPCKCAKCKSTKQCKSNCCPTSTAE
OdiMT1 <sub>ORE</sub>	MH577047	MDCSFRCCCEENCTGCADCPAGCDPCKCTLVCKKVCEGADCPAGCDPCKCAKCKSNKQCKTSCCPTSSE
OdiMT1 <sub>OKI</sub>	SRA Project	MDCSTRCCCEASCEGCVSPPGCDPCKCSLDSCKKVQGCRDCPPGCDPCKCKSANGCKSCCAATNTSA
OdiMT1 <sub>OSA</sub>	SRA Project	MEFCSFRCCCEGNCPGADCPAGCDPCKCTLVCKKVCEGCKDCAAGCDPCKCAKCKSNKQCKTSCCPTSSE
<b>OdiMT2</b>		
OdiMT2 <sub>NOR</sub>	CABV01001042.1	MEVKRPNNCCPAKCLGCKGCPPGCEPCICNMDTCKNICNKCKECPKNEFGCDPCKCPKCSKLGCTCDCCHKKCCVTDCDG CKTCPPGCEPCKCSMNACKKVCKQCKNCRKSESGDPCECSKCALGCKDCCKPDTCCCEASCEGCKNPPGCEPCKCTLN CCMKICDDCKDCPKSENGCDPCNCRKCSRKGCDCCPSDDCKASCEGCINCPPGCDPCECSMDECKKICKKCNCRKG ESGDPCECRKCSRNGCDCCKPKDSCEASCEGCTDCPQGCKPCKCTMNSCMKTCDKCKDCPKSASGCDPCECLKCSRK GCEDCCPQKNDCEAFQCGCKNPPGCPNCKCTLNFCALICNECKDCKPSDIGCDPCNVCKCSAKGCKDCCKPKCC
OdiMT2 <sub>CAT</sub>	MH577044	MEVKRPNNCCPAKCLGCKGCPPGCEPCICKMDTCKNICNKCKECPKNEFGCDPCKCPKCSKLGCTCDCCHKKCCVTDCDG SKTCPPGCEPCKCSMNACKKVCKQCKNCRKSESGDPCECSKCALGCKDCCKPDTCCCEVSEGCKNPPGCEPCKCTM NSCMKTCDKCKDCPKSASGCDPCECRKCSRKGCDCCCPQKNDCEVFCQCGCKNPPGCPNCKCTLNFCALICNECKDCKP KSDTGCDPCYCVKCSAKGCKDCCKPKCS
ΨOdiMT2 <sub>CAT</sub>	MH577045	MEVKRLNNCCPAKCLGCKRCPGCEPCICKMDTCKNICNKCAKRTSSAATLASVLSAPSLDAHAIAATKNVVLPIAMDVR LAPRAVNHASAQ
OdiMT2 <sub>ORE</sub>	MH577046	MEVKRPNNCCPAKCLGCKGCPPACDPCICKMDSCKNICNCKECPKDESGCDPCECPKCAKLGCTCACCHKKCCIAACDG CKTCPPGCEPCKCSMNACKKVCKQCKNCRKSESGDPCECSKASKGCKDCCKPNDCCCEASCEGCKNPPGCEPCKCTM NGCMKTCDKCKDCPKSENGCDPCNCRKCSRKGCDCCPSDDCKASCEGCINCPPGCDPCECSMDACKKSCEKCKDCR KSESGDPCECRKCSRNGCDCCKPADSCDASCDGCKNPPGCEPCKCTMNGCMKTCDKCKDCPKSASGCDPCKCGKCSKKGCDCCPKND CCEAFQCGCKNPPGCYPCKCTLNCTKMCNECKNCPKSDTGCDPCKCAKCKSTKGCKDCCKPKCC
OdiMT2 <sub>OKI</sub>	SRA Project	MEVQQQRNNCCPAKCDGCKDCPPGCVPCCLTDACTKICNCKNPPGCDPCGCEKCAKNGCTCDCCEQPCCETSCEG CKNPPGCPNCKCEMEKCKKICKECKTCKPGENGCDPCQCKKCSKMGCKSCCPKQPCCEVSCAGCKNPPGCPNCKCE MASCKKICSGCADCPPGCDPCKCAKCKSTKGCKDCCKPKSCC
OdiMT1 <sub>OSA</sub>	SRA Project	MEVKRPNNCCIAACDGCKNPPGCDPCKCSMKACKKVCEQCKNCRKSELGCDPCECSKASEGCKDCCKPKDSCEASCE GCKDCPPGCEPCKCTMNGCMKICDKCKDCPKSENGCDPCNCRKCSRKGCDCCPSDDCKASCEGCINCPPGCDPCECS MDACKKSCEKCKDCRKESESGDPCECRKCSRKGCDCCPADSCCEASCEGCKNPPGCDPCKCTLNCGMKTCDKCKDCP KSDKGDPCQCKKCSRNGCEDCCKPKNDCEAFQCGCKNPPGCPNCKCTLNCTKMCNECKNCPKSDTGCDPCKCAK CSTNGCKDCCKPKCC