

**Primers to construct pDblet + LEU2**

Primer Name	Sequence*	Description
OHM001	agctatgaccatgattacgccaagcTTCTCAACATAACGAG	up primer to amplify <i>LEU2</i> with 25bp homologous sequence
OHM002	atttcacacaggaacagctatgaccatgattacgccaagcTTCTCAACATAACG	up primer to amplify <i>LEU2</i> with 41bp homologous sequence
OHM003	gactcactatagggcgaattgggtaCCAATATATAAATTAGG	down primer to amplify <i>LEU2</i> with 27bp homologous sequence
OHM004	gcgcgctaatacagctcactatagggcgaattgggtaCCAATATATAAATTAGG	down primer to amplify <i>LEU2</i> with 40bp homologous sequence
OHM005	tagtggatccccggctgcaggaattcgatatcaagcttCCTCAACATAACGAG	up primer to amplify <i>LEU2</i> with 40bp homologous sequence adjacent to vector's <i>HindIII</i> site

\* Lower case: vector sequence, Upper case: insert sequence

**Primers to construct pDblet + Pnmt1-EGFP**

Primer Name	Sequence*	Description
OHM014	ttaaaccagcaccgtcaccATGATTTAACAAAGCGACTA	down primer for <i>Pnmt1-EGFP</i> fusion
OHM015	TAGTCGCTTTGTTAAATCATgggtgacgggtgctggtttaa	up primer for <i>EGFP-Pnmt1</i> fusion
OHM016	ctcactatagggcgaattgggtaccTGCCGTAGAGGTGTGGTCA	down primer to amplify <i>EGFP</i>
OSBI867	TTGTGTGGAATTGTGAGCGG	up primer to amplify <i>Pnmt1</i>
OHM025	TGGGGAGAGAAAACAGGGCA	primer to sequence junction region of <i>Pnmt1</i> and <i>EGFP</i>

\* Upper case: *EGFP* sequence, lower case: *Pnmt1* sequence in OHM014 and OHM015. Lower case: vector sequence, Upper case: insert sequence in OHM016.

**Primers to construct pDblet with different auxotrophic markers**

Primer Name	Sequence*	Description
OSBI850	TTACCAATGCTTAATCAGTG	AmpR from Stop
OSBI851	ATGAGTATTCAACATTTCCG	AmpR from Start
OHM133	GCATCTGTGCGGTATTTACACCGatgtatTTTTTaaagtattacactta	upF primer to construct pKH001 (pDblet-leu1)
OHM134	taagtgtataactttaaaaaatacatCGGTGTGAAATACCGCACAGATGC	upR primer to construct pKH001 (pDblet-leu1)
OHM135	aattatTTCTTTTaaacgaagtaAAAGCCAATGAAAGATGTATGTAGA	downF primer to construct pKH001 (pDblet-leu1)
OHM136	TCTACATACATCTTTCATTGGCTTTtacttcgtttaaaaagaaataatt	downR primer to construct pKH001 (pDblet-leu1)
OHM137	GCATCTGTGCGGTATTTACACCGtagtgatacgcacattgaaacatgg	upF primer to construct pKH002 (pDblet-ade6)
OHM138	ccatgtttcaatgtgctatcactaCGGTGTGAAATACCGCACAGATGC	upR primer to construct pKH002 (pDblet-ade6)
OHM139	aacgcataatgcaaaaaatgcAAAGCCAATGAAAGATGTATGTAGA	downF primer to construct pKH002 (pDblet-ade6)
OHM140	TCTACATACATCTTTCATTGGCTTTgcattTTTTgcatataatgctgt	downR primer to construct pKH002 (pDblet-ade6)
OHM141	GCATCTGTGCGGTATTTACACCGcagggaatgacttctgtgaaaaata	upF primer to construct pKH003 (pDblet-his5)
OHM142	tatTTTTcacagaagtcattccctgCGGTGTGAAATACCGCACAGATGC	upR primer to construct pKH003 (pDblet-his5)
OHM143	gatgcacaaacgtccgattccataAAAGCCAATGAAAGATGTATGTAGA	downF primer to construct pKH003 (pDblet-his5)
OHM144	TCTACATACATCTTTCATTGGCTTTtatggaatcggacgtttgtgcatc	downR primer to construct pKH003 (pDblet-his5)
OHM145	GCATCTGTGCGGTATTTACACCGgtgtgaaaaatgtggttctgattcag	upF primer to construct pKH004 (pDblet-lys1)
OHM146	ctgaatcagaaccacatTTTTcacaCGGTGTGAAATACCGCACAGATGC	upR primer to construct pKH004 (pDblet-lys1)
OHM147	gaaataggaggcctacacgactAAAGCCAATGAAAGATGTATGTAGA	downF primer to construct pKH004 (pDblet-lys1)
OHM148	TCTACATACATCTTTCATTGGCTTTagtctgtaggcctcctcctattc	downR primer to constructp KH004 (pDblet-lys1)

\* Lower case: Marker sequence, Upper case: vector sequence