



Universal Primers List

Name	Sequence	mer	Tm	Type of vector
AP3863	TTACCGTAAGTTATGTAACG	20	51	pAdTackH1
AP3864	ACGAGTTGGTGCTCATGGCG	20	61	pAdTackH1
ATB1	CAAACATGTTTTTCGTCCG	20	59	Gateway cloning
BFP-C	GTGCATGTTCTCCTTAATC	19	47	FLIPi PuroGFP-T2ABFP, FLIPi GFP-T2ABFP
BGH REV	TAGAAGGCACAGTCGAGG	18	54	pcDNA3.1
CAG-F	GGCTTCTGGCGTGTGACCGGC	21	62	pT3MCS, pT3MCS iresLUC vector
CtLuc2	GGTTACAACCGCCAAGAAGCTG	22	57	PMIR-GLO (Promega)
DSRED-C1	AGCTGGACATCACCTCCCACAACG	24	61	pDsRed-Express-C1
DuetDoWN1	GATTATGCGGCCGTGTACAA	20	52	pETDuet-1 vector(Novagen)
DuetUP2	TTGTACACGGCCGCATAATC	20	52	pETDuet-1 vector(Novagen)
EGFP.C	GATCACATGGTCCTGCTG	18	55	pEGFP.C family vector from Clontech
EGFP.N	GACACGCTGAACTTGTGG	18	56	pEGFP.N family vector from Clontech
EGFP.R2	GCTGCAATAAACAAGTT	17	45	pEGFP.C family vector from Clontech
EmGFP.F	GGCATGGACGAGCTGTACAA	20	59	pcDNA 6.2-GW/EmGFP-miR invitrogen
FAOX1	CTGGTTCCAATTGACAAGC	19	56	Pichia vectors with AOX1 promoter
FZE01	TGGCTAACTAGAGAACCCAC	20	54	pcDNA3.1/Zeo(+)
GFP1rev	GACAACTCCAGTGAAAAGTTC	21	50	pPD95.75 vector
GFP2rev	CCACTGACAGAAAATTTGTGCC	23	60	pPD95.75 vector
GLREV	TGTATCTTATGGTACTGTAAGT	23	55	pGL2vector from Promega
GT10-SUPERF	GCTCTATAGACTGCTGGGTAGTCC	24	60	lambda gt10
GT10-SUPERR	ATTGGGGGTAAATAACAGAGGTGG	24	63	lambda gt10
GT11FOR	GGTGGCGACGACTCCTGGAGCCCG	24	79	lambda gt11
GT11REV	TTGACACCAGACCAACTGGTAATG	24	63	lambda gt11
H1	TGTTCTGGGAAATCACCATA	20	53	pLVTHM vector
IE1-for	GACGTTTCATGTTGGATATTGTTTCAGTTGC	30	59	pIEX-4 vector
IE1-rev	TAAATTCAAAATATATGTATAACCTGAGGTTAATCAC	37	57	pIEX-4 vector
IRES 5	CCCCTTGAACCTCCTCG	17	58	MCSV-IRES-GFP vector

Name	Sequence	mer	Tm	Type of vector
IRES.3	CGCACACCGGCCTTATTC	18	60	MCSV-IRES-GFP vector
IRES-DW	ACATGTGTTTAGTCGAGG	18	46	pMSCV-IRES-GFP
JGF	CAGCCTCTTTGCTGACTGGAG	21	62	JG4-5 vector
JGR	GTAGACAAGCCGACAACCTTG	21	60	JG4-5 vector
KS BS	CTCGAGGTCGACGGTATC	18	56	Bluescript vector
LAW16 P	CGACTCACTATAGGGAGACC	20	53	lawrist 16 vector
LAW16 R	CCTGCTGATTGGTTCGCT	18	60	lawrist 16 vector
Loxp	GCAGCATAACTTCGTATA	18	46	pLVTHM vector
M13-21	TGTA AACGACGGCCAGTG	19	61	pCMV5
M13REV	CAGGAAACAGCTATGACC	18	51	pCR1000
miRNA. R	CTCTAGATCAACCACTTTGT	24	61	pcDNA 6.2-GW/EmGFP-miR invitrogen
MLP.for	CTTGAAACACTTGCTGGGATTAC	18	51	MSCV-LMP vector (Use PGKAS1 as reverse primer)
NEO-KAN-REV	GACTCTGGGGTTCGAAATGA	20	64	pcDNA3 GFP LIC
NIT F	CGAGTAGGCGGTACGGTG	19	61	Tet on/off nit vector
NIT R	CGTTACTTAAGCTAGCTTG	19	52	Tet on/off nit vector
OL178	TCTTTTCTACGGGGTCTGAC	20	57	psiRNA vector from InvivoGen
PBABE3	CCCTAACTGACACACATTCC	20	57	pBabe vector from Addgene
PBABE5	CCTTTATCCAGCCCTCACTC	20	59	pBabe vector from Addgene
PCL3	CTTGCCAAACCTACAGGT	18	57.7	pLPC-N FLAG Sequences
pCMV5F	CGTTGACGCAAATGGGCGG	19	61	At 5' end of MCS within pCMV5
pCMV5R	CCTCCACCCATAATATTATAGAAGGACAC	30	65	At 3' end of MCS within pCMV5
PCMV.FOR	TCTGCTAACCATGTTTCATGCC	21	61	pCMVneo Bam vector
PCMV.REV	ATTGGCCACACCAGCCACCAC	21	70	pCMVneo Bam vector
PCMVHAF	GATCCGGTACTAGAGGAACTGAAAAAC	27	63	pCMV-HA vector Clontech
PDBLEUF	GAATAAGTGCACATCATCATC	22	57	pPDBLeu vector
PDBLEUR	GTA AATTTCTGGCAAGGTAGAC	22	55	pPDBLeu vector/pPC86 vector
201FW	TCGCGTTAACGCTAGCATGGATCTC	25	69	pDONOR 201 vector
201REV	GTAACATCAGAGATTTGAGACAC	24	54	pDONOR 201 vector
PE-21	TGTA AACGACGGCCAGT	18	54	pENTR/D-TOPO and other vectors
PET3'	CTAGTTATTGCTCAGCGG	18	51	pET vector from novagen

Name	Sequence	mer	Tm	Type of vector
PET43	ATCAGCCTAGGAACGCCCAAC	21	62	pET43 vector
pETUP	ATGCGTCCGGCGTAGA	16	49	PETDuet-1
pFB1N5'	CATGGAGATAATTTAAATGATAACCATCTCGC	32	58	pFASTBac dual vector
pFB15	TACCGTCCCACCATCGGG	18	55	pUCDM2REAL vector, pSPL vector
pFB13	GGTATGGCTGATTATGATCCT	21	50	pUCDM2REAL vector, pSPL vector
pfb25	CCTTCCGTGTTTTAGTTAGCC	21	54	pFLvector
pfb23	CGGACCTTTAATTCAACCCAACAC	24	56	pFLvector
pG2I.F	TCGACACTAGTAATAATTTTG	21	45	PGEX6P-2RBS vector
pG2I.R	GATCTATCTCCTTCTTAAAGT	21	46	PGEX6P-2RBS vector
PGKAS1	AAGCGCATGCTCCAGACTGC	20	70	MSCV-LMP vector
PGEX-3 F	GTATTGAAGCTATCCCAC	18	47	pGEX vectors
PGEX-3 R	AGACAAGCTGTGACCGTC	18	54	pGEX vectors
PGL3FOR	CTAGCAAAATAGGCTGTCC	19	52	pGL3-Basic vector
PGL3R1	GACGATAGTCATGCCCCGCG	20	58	pGL3-Basic vector
PGL3R2	CTTTATGTTTTTGGCGTCTTCCA	23	52	pGL3-Basic vector\PGL2.FOR promega
PI+	CATTGGATGCTGAGAATTCG	20	59	Primer Island trasposon kit vector
PI-	GCCGTCTATCCTGCTTGC	18	59	Primer Island trasposon kit vector
PINCOFOR	GTACACGGCATCGCAGCTTG	20	65	PINCO vector
PINCOREV	CGCGGAACTCCATATATGGG	20	62	PINCO vector
pLloxF	CAGTGCAGGGGAAAGAATAGTAGAC	25	61	pLentiLox vector e pSicoR vector
pLloxR	GGTCCCTCGACCTGCTGG	18	52	pLentiLox vector
PM001	CGTTAGAACGCGGCTACAAT	20	60	pOT2A vector
PMALFOR	GGTCGTCAGACTGTCGATGAAGCC	24	66	pMAL-c2X from New England Biolabs
PMALREV	CGCCAGGGTTTTCCAGTCACGAC	24	67	pMAL-c2X from New England Biolabs
PME18S/3'	CGACCTGCAGCTCGAGCACA	20	69	pME18S-FL3 vector
PME18S/5'	CTTCTGCTCTAAAAGCTGCG	20	58	pME18S-FL3 vector
POLIA-C	AAAAAAAAAAAAAAAAAAAC	19	46	
POLIA-G	AAAAAAAAAAAAAAAAAAAG	19	46	
POLIA-MIX	AAAAAAAAAAAAAAAAAAAG/C/T	19	46	
POLIA-T	AAAAAAAAAAAAAAAAAAAT	19	46	

Name	Sequence	mer	Tm	Type of vector
POLIII	GCTGACGTCATCAACCCGCT	20	66	pRetroSUPER from Oligoengine
POLIT-A	TTTTTTTTTTTTTTTTTTTA	19	45	
POLIT-C	TTTTTTTTTTTTTTTTTTTC	19	47	
POLIT-G	TTTTTTTTTTTTTTTTTTTG	19	48	
POLIT-MIX	TTTTTTTTTTTTTTTTTTTG/C/A	19	48	
PPC86F	TATAACGCGTTTGAATCACT	21	57	pPC86 vector
PQE.F	AAGTGCCACCTGACGTCTAAG	21	59	pQE30 vector from Qiagen
PQE.R	GGAGTTCTGAGGTCATTAAG	21	54	pQE30 vector from Qiagen
PQEREV	GTTCTGAGGTCATTAAG	19	50	pQE30 vector from Qiagen
PRESETR	TAGTTATTGCTCAGCGGTGG	17	47	pRESET vector from Invitrogen
pRetroS.F	GGAAGCCTTGGCTTTTG	20	59	pRetroSuper vector (this primer is better than PolIII)
pSicoR.F	GGCTTGGATTTCTATAACTTCGTATAGC	28	57	pSicoR vector
pSicoR.F1	CAAAAGGAAACTCACCTAACTGTAAAGTAATTG	34	60	pSicoR vector
pSicoR.R	CTTGTGTAGCGCCAAGTGCCAG	23	61	pSicoR vector
PT7.REV	TCACGACGTTGTAAAACG	18	54	pT7T3D
PTRCHISF	GAGGTATATATTAATGTATCG	21	50	pTrisHis vector Invitrogen
PTRCHISR	TCAGGCTGAAAATCTTCTCTC	21	56	pTrisHis vector Invitrogen
PXS FOR	GACCCTGCTTGCTCAACTCT	20	59	pXS vector
PXS REV	GCATTCTAGTTGTGGTTTGT	20	52	pXS vector
RZE01	AACAACAGATGGCTGGC	17	55	pcDNA3.1/Zeo(+)
ShooteF	CGCAAATGGGCGGTAGGCGTG	21	65	pshooter vector invitrogen, pcdna5/FRT/TO
SK BS	CGCTCTAGAAGTGTGGATC	20	51	Bluescript vector
SP6	ATTTAGGTGACACTATAG	18	37	pcDNA3
SP6-AS	CTATAGTGTCACCTAAAT	18	37	pcDNA3
SV40F	TATTTATGCAGAGGCCGAGG	20	52	pACT vector
T3	ATTAACCCTCACTAAAGGGA	20	53	pT7T3D
T7	TAATACGACTCACTATAGG	20	46	pcDNA3
T7-AS	CCCTATAGTGAGTCGTATTA	20	46	pcDNA3
t7-short	GTAATACGACTCACTATAG	19	43	pCS2+ vector only
TREF	GCCATCCACGCTGTTTTGACCTCCA	25	73	pRevTRE vector Clontech

Name	Sequence	mer	Tm	Type of vector
TRETIF	GCCTATATAAGCAGAGCTC	19	49	pT3MCS, pT3MCS iresLUC vector
2HYBRID	AGATGGTGCACGATGCACAG	20	59	pGADt7 vector from Clontech
3'FBAC	GGGAGGTTTTTTAAAGCAAGTAAAACC	27	60	pFast Bac Invitrogen vectors
3KT	CCGGGAGCTGCATGTGTCAGAGG	23	73	pGEX vectors
5'FBAC	GGATCTCGGTCCGAAACCATGTC	23	64	pFast Bac Invitrogen vectors
5KT	GGGCTGGCAAGCCACGTTTGGTG	26	76	pGEX vectors
553	AACCCAAAAAAGAGATCTGG	21	57	pACT vector
554	AGTTGAAGTGAAGTTCGGG	19	56	pACT vector
CMVfw *	GTCTATATAAGCAGAGCTCTC	21	56	pIG.3TEVCassette vector
HINGerv	GCTCTGCAGAGAGAAGATTG	20	57	pIG.3TEVCassette vector
WPRE-SEQ	TTGTAATCCAGAGGTTGATTATCG	24	52	MSCV FLIPi P2G_Thy1.1
U6 PROMOTER	GAGGGCCTATTTCCCATGATT	21	52	pL-CRISPR EFS GFP
LK01_5(U6)	GACTATCATATGCTTACCGT	20	48	lentiCRISPR v2
pmirGLO-R	TGGTTTGTCCAAACTCATCAA	21	48	PMIR-GLO vector
pDONR201-R	GTAACATCAGAGATTTGAGACAC	24	52	pEN_Tmcs
UBCrev	GCGGGAGGCGCCAAAAC	17	54	pSLKI-Hygro

* Please, note that in different vectors, the primer called CMVfw have the sequence of Shootef (also present in our primer list). For that reason, always check the correct sequence before choose your primer!!!