Free Primers

POOCHON SCIENTIFIC

Primer Name	Details
35sf	ATGACGCACAATCCCACTATC For people who work with plants
3'AOX1	GCAAATGGCATTCTGACATCC (Invitrogen) For Pichia vectors with AOX1 terminator, reverse primer
5'AOX1	GACTGGTCCAATTGACAAGC (Invitrogen) For Pichia vectors with AOX1 promoter, forward primer
AC5	ACACAAAGCCGCTCCATCAG (Invitrogen) Drosophila Actin 5C promoter, forward primer
Alpha-factor	TACTATTGCCAGCATTGCTGC (Invitrogen) Alpha factor signal sequence, forward primer
Amp-R	ATAATACCGCGCCACATAGC 5' end of ampicillin resistance gene, reverse primer
AUG1 Forward	CAATTTACATCTTTATTTATTAACG (Invitrogen) For Pichia vectors with AUG1 promoter, forward primer
AUG1 Reverse	GAAGAGAAAAACATTAGTTGGC (Invitrogen) For Pichia vectors with AUG1 promoter, reverse primer
BGH Reverse	TAGAAGGCACAGTCGAGG (Invitrogen) Bovine growth hormone terminator, reverse primer
Bglob-intron-F	CTGGTCATCATCCTGCCTTT Rabbit beta-globin intron, forward primer
Bglob-pA-R	TTTTGGCAGAGGGAAAAAGA Rabbit beta-globin polyA region, reverse primer
CAT-R	GCAACTGACTGAAATGCCTC 5' end of chloramphenicol resistance gene, reverse primer
CMV Forward	CGCAAATGGGCGGTAGGCGTG (Invitrogen) Human CMV immediate early promoter, forward primer
CRE-R	GCAAACGGACAGAAGCATTT 5' end of Cre recombinase, reverse primer
CYC1	GCGTGAATGTAAGCGTGAC (Invitrogen) CYC1 transcription termination signal, reverse primer
DsRed1-C	AGCTGGACATCACCTCCCACAACG (BD Biosciences) 3' end of DsRed1, forward primer
DsRed1-N	GTACTGGAACTGGGGGGACAG (BD Biosciences) 5' end of DsRed1, reverse primer
EBV Reverse	GTGGTTTGTCCAAACTCATC (Invitrogen) SV40 polyA terminator, reverse primer
Ecdysone Forward	CTCTGAATACTTTCAACAAGTTAC (Invitrogen) Drosophila heat shock promoter, forward primer
EF-1a Forward	TCAAGCCTCAGACAGTGGTTC (Invitrogen) Human elongation factor-1a promoter, forward primer
	CATGGTCCTGCTGGAGTTCGTG (BD Biosciences)

EGFP-C	3' end of EGFP, forward primer
EGFP-N	CGTCGCCGTCCAGCTCGACCAG (BD Biosciences) 5' end of EGFP, reverse primer
EXFP-R	GTCTTGTAGTTGCCGTCGTC (Golenbock lab) For distinguishing EGFP vs ECFP vs EYFP, reverse primer
GAL1	AATATACCTCTATACTTTAACGTC (Invitrogen) S. cerevisiae GAL1 promoter, forward primer
Gal10pro-F	GGTGGTAATGCCATGTAATATG (Stratagene) S. cerevisiae GAL10 promoter, forward primer
Gal4 N-term	GAGTAGTAACAAAGGTCAA 3' end of Gal4 DNA binding domain, forward primer
Gal4-AD	AATACCACTACAATGGAT (BD Biosciences) 3' end of Gal4 activation domain, forward primer
GFP-F	GGTCCTTCTTGAGTTTGTAAC 3' end of GFP, forward primer
GFP-R	CCATCTAATTCAACAAGAATTGGGACAAC (Ahmad lab) 5' end of GFP, reverse primer
GPDpro-F	CGGTAGGTATTGATTGTAATTCTG S. cerevisiae GPD promoter, forward primer
GW-3'	GCATGATGACCACCGATATG 3' end of Gateway cassette, forward primer
GW-5'	AATCTCGCCGGATCCTAACT 5' end of Gateway cassette, reverse primer
H1	TCGCTATGTGTTCTGGGAAA Human H1 promoter, forward primer
HA-F	TACCCATACGACGTCCCAGA HA tag, forward primer
HA-R	TCTGGGACGTCGTATGGGTA HA tag, reverse primer
HAT	GAGGAGCACGCTCATGCCCAC (BD Biosciences) Histidine affinity tag, forward primer
hGH-PA-R	CCAGCTTGGTTCCCAATAGA Human growth hormone terminator, reverse primer
IRES-F	TGGCTCTCCTCAAGCGTATT 3' end of IRES, forward primer
IRES-R	CCTCACATTGCCAAAAGACG 5' end of IRES, reverse primer
L4440	AGCGAGTCAGTGAGCGAG (Caldwell lab) 5' of MCS in L4440 vector, forward primer
LacZ-R	GACAGTATCGGCCTCAGGAA 5' end of LacZ, reverse primer
LexA	CGTCAGCAGAGCTTCACCATTG (Caldwell lab) 3' end of LexA DNA binding domain, forward primer
	GACTATCATATGCTTACCGT (Weinberg Lab)

LKO.1 5'	Human U6 promoter, forward primer
LNCX	AGCTCGTTTAGTGAACCGTCAGATC (BD Biosciences) Human CMV promoter, forward primer
Luc-F	AGTCAAGTAACAACCGCGA 3' end of luciferase, forward primer
LucNrev	CCTTATGCAGTTGCTCTCC 5' end of luciferase, reverse primer
M13 (-21) Forward	TGTAAAACGACGGCCAGT In lacZ gene
M13 (-40)	GTTTTCCCAGTCACGAC In lacZ gene
M13 Reverse	CAGGAAACAGCTATGAC In lacZ gene
M13/pUC Forward	CCCAGTCACGACGTTGTAAAACG (Invitrogen) In lacZ gene
M13/pUC Reverse	AGCGGATAACAATTTCACACAGG (Invitrogen) In lacZ gene
MBP-F	GATGAAGCCCTGAAAGACGCGCAG (Waugh lab) 3' end of maltose binding protein, forward primer
MT Forward	CATCTCAGTGCAACTAAA (Invitrogen) Drosophila metallothionein promoter, forward primer
MMLV-F	ATCAGTTCGCTTCTCGCTTC Moloney murine leukemia virus LTR (MoMuLV), forward primer
mPGK-F	CATTCTGCACGCTTCAAAAG Mouse PGK promoter, forward primer
MSCV	CCCTTGAACCTCCTCGTTCGACC (BD Biosciences) Murine stem cell virus, forward primer
MSCV-rev	CAGCGGGGCTGCTAAAGCGCATGC Murine stem cell virus, reverse primer
MT1-F	GCTGTCCTCTAAGCGTCACC Mouse metallothionein 1 promoter, forward primer
mU6-F	CAGCACAAAAGGAAACTCACC Mouse U6 promoter, forward primer
Myc	GCATCAATGCAGAAGCTGATCTCA (BD Biosciences) Myc tag, forward primer
Neo-F	CGTTGGCTACCCGTGATATT 3' end of neomycin resistance gene, forward primer
Neo-R	GCCCAGTCATAGCCGAATAG 5' end of neomycin resistance gene, reverse primer
NOS-F	GCGTTCAAAAGTCGCCTAAG Nopaline synthase promoter, forward primer
OpIE2 Forward	CGCAACGATCTGGTAAACAC (Invitrogen) OpIE2 promoter, forward primer

pACYC-F	TGAAGTCAGCCCCATACGAT p15A origin, forward primer
pAd-CMV	GCTAGAGATCTGGTACCGTC For cloning sites after SalI in pAd-CMV vector
pBABE 3'	ACCCTAACTGACACACATTCC (Weinberg Lab) SV40 enhancer, 3' of MCS in pBABE vectors, reverse primer
pBABE 5'	CTTTATCCAGCCCTCAC (Weinberg Lab) Psi packaging signal, 5' of MCS in pBABE vectors, forward primer
pBAD Forward	ATGCCATAGCATTTTTATCC (Invitrogen) For vectors with E. coli araBAD promoter, forward primer
pBAD Reverse	GATTTAATCTGTATCAGG (Invitrogen) For vectors with E. coli araBAD promoter, reverse primer
pBluescriptKS	TCGAGGTCGACGGTATC For pBluescript vector
pBluescriptSK	TCTAGAACTAGTGGATC For pBluescript vector
pBMN 5'	GCTTGGATACACGCCGC MMLV sequence, for inserts in pBMN retroviral vector
pBRforBam	CTTGGAGCCACTATCGAC In pBR322 tet region, upstream of BamHI, forward primer
pBRforEco	AATAGGCGTATCACGAGGC In pBR322, upsteam of EcoRI site, forward primer
pBRrevBam	GGTGATGTCGGCGATATAGG In pBR322 tet region, downstream of BamHI, reverse primer
pCAG-F	GCAACGTGCTGGTTATTGTG Rabbit beta-globin intron, for pCAG plasmids, forward primer
pCasper-F	GGGTTTTATTAACTTACAT (Vosshall lab) 5' end of Drosophila mini-white gene, reverse primer
pcDL-F	GTTGCCTTTACTTCTAGGCCT (Kinet lab) 5' of EcoRI site in pcDL vector, forward primer
pENTR-F	CTACAAACTCTTCCTGTTAGTTAG 5' of attL1 in pENTR vector, forward primer
pGEX 3'	CCGGGAGCTGCATGTGTCAGAGG 3' of MCS in pGEX vectors, reverse primer
pGEX 5'	GGGCTGGCAAGCCACGTTTGGTG 3' end of glutathione-S-transferase, forward primer
pGP704-R	AACAAGCCAGGGATGTAACG R6K gamma origin, 3' of MCS in pGP704 vector, reverse primer
pHybLex Reverse	GAGTCACTTTAAAATTTGTATACAC (Invitrogen) ADH terminator, reverse primer
pLTet-F	ACTGAGCACATCAGCAGGAC Lambda phage early leftward (pL) promoter, forward primer
	CCCTTGAACCTCCTCGTTCGACC (MSCV)

pLXSN 5'	Murine stem cell virus, same as MSCV, forward primer
pMRB101-F	AAGATGCAGGCAGCTGAGTT HCMV major immediate-early protein (IE), forward primer
pMT2-F	TTGCCTTTCTCTCCACAGGT 3' end of synthetic intron, forward primer
pMX-S1811	GACGGCATCGCAGCTTGGATACAC (Yamanaka lab) MMLV sequence, 5' of MCS in pMXs vector, forward primer
Polyhedrin forward	AAATGATAACCATCTCGC (Invitrogen) Polyhedrin promoter, forward primer
Polyhedrin reverse	GTCCAAGTTTCCCTG (Invitrogen) For baculovirus vector with polyhedrin promoter, reverse primer
pQE promoter	CCCGAAAAGTGCCACCTG (Qiagen) 5' of MCS in pQE vectors, forward primer
pREP Forward	GCTCGATACAATAAACGCC (Invitrogen) Rous sarcoma virus (RSV) promoter, forward primer
pRS-marker	CGGCATCAGAGCAGATTGTA To sequence yeast selectable marker in pRS vectors
Pry1	CTTAGCATGTCCGTGGGGTTTGAAT PZ P-element, reverse primer
pTrcHis Forward	GAGGTATATATTAATGTATCG (Invitrogen) 5' of MCS in pTrcHis vector, forward primer
pTrcHis Reverse	GATTTAATCTGTATCAGG (Invitrogen) 3' of MCS in pTrcHis vector, same as pBAD-R, reverse primer
Puro-F	GCAACCTCCCTTCTACGAGC 3' end of puromycin resistance gene, forward primer
pZIP	TCCTTTCCAGCGAGGTTCTA Murine leukemia virus (MuLV), reverse primer
RCAS-F	ACATGGGTGGTGGTATAGCGCTTGCG (Orsulic lab) 3' of Rous sarcoma virus (RSV) env gene, forward primer
RVprimer3	CTAGCAAAATAGGCTGTCCC (Promega) 5' of MCS in pGL3 vector, forward primer
SFFV-F	ATTGATTGACTGCCCACCTC Spleen focus forming virus 5' LTR, forward primer
SP6	GATTTAGGTGACACTATAG SP6 promoter, forward primer
SV40pA-R	GAAATTTGTGATGCTATTGC SV40 polyA, reverse primer
SV40pro-F	TATTTATGCAGAGGCCGAGG SV40 promoter/origin, forward primer
SV40-spliceR	CACAAAGATCCGGACCAAAG SV40 splice sequence, reverse primer
T3	GCAATTAACCCTCACTAAAGG T3 promoter, forward primer

T7	TAATACGACTCACTATAGGG T7 promoter, forward primer
T7 Terminal	GCTAGTTATTGCTCAGCGG T7 terminator, reverse primer
Tac promoter	GAGCGGATAACAATTTCACACAGG (Waugh lab) Tac promoter, forward primer
TRC-F	CAAGGCTGTTAGAGAGATAATTGGA (Root lab) Human U6 promoter, forward primer
Ubx-F	AACTCGTACTTTGAACAGGC Drosophila Ultrabithorax gene, forward primer
V5 Reverse	ACCGAGGAGAGGGTTAGGGAT (Invitrogen) V5 epitope, reverse primer
WPRE-R	CATAGCGTAAAAGGAGCAACA 5' end of WPRE, reverse primer
Xpress Forward	TATGGCTAGCATGACTGGT (Invitrogen) Xpress epitope, forward primer
GLprimer1	TGTATCTTATGGTACTGTAACTG for pGL vector
GLprimer2	CTTTATGTTTTTGGCGTCTTCCA for pGL vector
RVprimer3	CTAGCAAAATAGGCTGTCCC for pGL vector
RVprimer4	GACGATAGTCATGCCCCGCG for pGL vector
Luc_U111	AGGAACCAGGGCGTATCTCT reverse primer for Luciferase gene
CmF2	TCCGGCCTTTATTCACATTC Chlorphenicol gene, forward primer
FLAP	CAGTGCAGGGGAAAGAATAGTAGAC
MalE	GGTCGTCAGACTGTCGATGAAGCC
Met25	CTTCGTGTAATACAGGGT
Neo_D545	GCTTCCTCGTGCTTTACGGT Neomycin forward primer
DsRed1-F	AGGACGGCTGCTTCATCTAC
pFastBacForward	GGATTATTCATACCGTCCCA
pFastBacReverse	CAAATGTGGTATGGCTGATT
RepO-F	GTGTAGGTCGTTCGCTCCA house keeping, pBR322 origin

RepO-R	TCCTGTTACCAGTGGCTGCT house keeping, pBR322 origin
pRLuc-MCS-F	GGGCGGTAGGCGTGTACGGTGG
pRLuc-MCS-R	CGTAGTAGTTGATGAAGCTGTCC
pSicoF	GAGGCTTAATGTGCGATAAAAGA
pSicoR	TTATGTAACGCGGAACTCCA
MBP-R	GGTCGGCAGTACCGTTACAC