

General Guidelines: Sanger Sequencing

1. Purified PCR Products

Mix: 12 μ L PCR product + 2 μ L primer

Fragment Size	Template (ng/ μ L)	Primer (pmol/ μ L)
< 1 kb	10	5
1–2 kb	20	5
2–3 kb	30	5
> 3 kb	Same as plasmid	5

2. Plasmid DNA Template

Mix: 12 μ L plasmid + 2 μ L primer

Volume (μ L)	Template (ng/ μ L)	Primer (pmol/ μ L)
10–15	80	5

Notes:

- For highest success, submit premixed samples.
- Use Qubit or equivalent for precise quantification.

HP001_BGH-Rev	TAGAAGGCACAGTCGAGG
HP002_CMV-For	CGCAAATGGGCGGTAGGCGTG
HP003_EGFP-C	CATGGTCCTGCTGGAGTTCGTG
HP004_EGFP-N	CGTCGCCGTCCAGCTCGACCAG
HP005_M13(-21)-F	TGTAAAACGACGGCCAGT
HP006_M13-Rev	CAGGAAACAGCTATGAC
HP007_pGEX3	CCGGGAGCTGCATGTGTCAGAGG
HP008_pGEX5	GGGCTGGCAAGCCACGTTTGGTG
HP009_T3	GCAATTAACCCCTCACTAAAGG
HP010_M13(-40)-F	GTTTTCCCAGTCACGAC
HP012_T7	TAATACGACTCACTATAGGG
HP013_T7-ter	GCTAGTTATTGCTCAGCGG
HP016_RVprimer4	CTAGCAAATAGGCTGTCCC
HP019_Neo-Rev	GCCCAGTCATAGCCGAATAG
HP020_V5-Rev	ACCGAGGAGAGGGTTAGGGAT
HP022_HA-Rev	TCTGGGACGTCGTATGGGTA
HP023_CYC1	GCGTGAATGTAAGCGTGAC
HP025_Neo-For	CGTTGGCTACCCGTGATATT
HP026_Bglob-pA-Rev	GCGTGAATGTAAGCGTGAC
HP028_EF1a-For	TCAAGCCTCAGACAGTGGTTC
HP029_MBP-For	GATGAAGCCCTGAAAGACGCGCAG
HP031_hGH-PA-Rev	CCAGCTTGGTTCCCAATAGA
HP032_RepO-R	TCCTGTTACCACTGGCTGCT
HP034_WPRE-Rev	CATAGCGTAAAAGGAGCAACA
HP035_SV40pA-Rev	GAAATTTGTGATGCTATTGC
HP036_CMV-For	CGCAAATGGGCGGTAGGCGTG
HP037_MalE	GGTCGTCAGACTGTTCGATGAAGCC
HP039_CAT-Rev	GCAACTGACTGAAATGCCTC
HP040_LNCX	AGCTCGTTTAGTGAACCGTCAGATC
HP041_MSCV	CCCTGAACCTCCTCGTTTCGACC
HP042_SP6	GATTTAGGTGACACTATAG
HP043_LKO.1 5' hU6	GACTATCATATGCTTACCGT
HP044_pCAG-F	GCAACGTGCTGGTTATTGTG
HP045_mU6-F	CAGCACAAAAGGAACTCACC
HP046_TRC-F hU6	CAAGGCTGTTAGAGAGATAATTGGA
HP047_EGFPC1F	GAT CAC TCT CGG CAT GGA C
HP048_EGFPC1R	CAT TTT ATG TTT CAG GTT CAG GG
HP049_EGFNP1F	GTC GTA ACA ACT CCG CCC
HP050_EGFNP1R	GTC CAG CTC GAC CAG GAT G
HP051_Gal4AD	TAC CAC TAC AAT GGA TG
HP052_Gal4BD	TCA TCG GAA GAG AGT AG

HP053_mCherry-F	CCC CGT AAT GCA GAA GAA GA
HP054_mCherry-R	TTG GTC ACC TTC AGC TTG G
HP055_pcDNAF	GGC TAA CTA GAG AAC CCA CTG
HP056_pcDNAR	GGC AAC TAG AAG GCA CAG TC
HP057_pGL3for	CTA GCA AAA TAG GCT GTC CC
HP058_pGLfor	GTA TCT TAT GGT ACT GTA ACT G
HP059_pGLrev	CTT TAT GTT TTT GGC GTC TTC C
HP060_SV40pA-R	GAA ATT TGT GAT GCT ATT GC
HP061_SV40-promoter	TAT TTA TGC AGA GGC CGA GG
HP062_T7	TAA TAC GAC TCA CTA TAG GG
HP063_IRES-F	TGGCTCTCCTCAAGCGTATT
HP064_IRES-R	CCTCACATTGCCAAAAGACG