

Barcode	Forward Primer	Sequence (5'->3')
for20.145	F.145	CGCGCTTAGGGAGCACATCCATGCCGAGCT
for20.147	F.147	CGCGCCAGACGTAACCAGTGATGCCGAGCT
for20.148	F.148	CGCGCTGAGATCCACCATTACAGGCGAGCT
for20.150	F.150	CGCGCGATATACAGCCACAGCAGGCGAGCT
for20.151	F.151	CGCGCATATTAGACCAGCGCAGGCGAGCT
for20.152	F.152	CGCGCCATACAGCGTCAGACAGATCGAGCT
for20.156	F.156	CGCGCTAATGTGATGGAAGCGTCTCGAGCT
for20.160	F.160	CGCGCAGCATGTGGCATAACCTTTCGAGCT
for20.162	F.162	CGCGCCGCGATCTGATAAGTGTTCGAGCT
for20.164	F.164	CGCGCCTACGAGACGCATTATCACGGAGCT
for20.165	F.165	CGCGCTAGAGGCACTCATGCTCACGGAGCT
for20.166	F.166	CGCGCCATATACTATCACGCAGACGGAGCT
for20.167	F.167	CGCGCCATCTCGATTAAGTCAGACGGAGCT
for20.171	F.171	CGCGCCCCTCTCTGTAATGTATGGGAGCT
for20.172	F.172	CGCGCATAACAGCCTGGCACAGTCTGGAGCT
for20.173	F.173	CGCGCCACGATTGTGTAAGAGTCTGGAGCT
for20.174	F.174	CGCGCTGCAACAAGAGATACGTCTGGAGCT
for20.175	F.175	CGCGCTATTCATGGCGCACCGTCTGGAGCT
for20.177	F.177	CGCGCACATGAGGAGCAGTTTGCATGAGCT
for20.178	F.178	CGCGCGACGGCACTTTGCACATCATGAGCT
for20.179	F.179	CGCGCGGGTCATCACGGCTCATCATGAGCT
for20.181	F.181	CGCGCATTCTGATGCGAGAGCCGCTGAGCT
for20.182	F.182	CGCGCATATTGTCTCACGCGGCGCTGAGCT
for20.183	F.183	CGCGCACATCAGTTGCAGTGGCGCTGAGCT
for20.184	F.184	CGCGCGCGAATATCAAACCTTGCCAGAGCT
for20.185	F.185	CGCGCCCATGCGGCAAATGAATCCAGAGCT
for20.186	F.186	CGCGCTGGGCACTACAATAATCCAGAGCT
for20.187	F.187	CGCGCGCTACAGTGAAATCCATCCAGAGCT
for20.188	F.188	CGCGCGCTCCAGAGACATATTGAGAGAGCT
for20.189	F.189	CGCGCTGCCGCCGAACAGCAATAGAGAGCT
for20.190	F.190	CGCGCCTTGCAGGTAAAGGCATAGAGAGCT
for20.191	F.191	CGCGCCCGCGATACCAATTCATAGAGAGCT
for20.192	F.192	CGCGCGCACGTCAGCAACGCAGATAGAGCT
for20.193	F.193	CGCGCCCTAGCACGCAATTCAGATAGAGCT
for20.194	F.194	CGCGCCGTTGATAGCAAGCGAGATAGAGCT
for20.195	F.195	CGCGCCCATGCGAGCAACTGAGATAGAGCT
for20.196	F.196	CGCGCGTCATAGACTCAATGCACACGAGCT
for20.197	F.197	CGCGCTGCAGTAAGCTCAATCACACGAGCT
for20.198	F.198	CGCGCTGCGACAGAGAAGCTCACACGAGCT
for20.199	F.199	CGCGCCCGATAGCAGAATGTCACACGAGCT
for20.202	F.202	CGCGCAGAATGCGTCTCAAGCTGCCGAGCT
for20.204	F.204	CGCGCAACATGCTCGAATCGCAGGCGAGCT
for20.205	F.205	CGCGCATAATCAGCGGGAATCAGGCGAGCT
for20.206	F.206	CGCGCGCTGTGAATGAATATCAGGCGAGCT
for20.207	F.207	CGCGCTGATCGCTAACAGCTCAGGCGAGCT
for20.208	F.208	CGCGCAGCCACTACTAAGTCAGATCGAGCT
for20.209	F.209	CGCGCGCACTAACTTCACAGAGATCGAGCT
for20.210	F.210	CGCGCCCGCCATAGTAATAGAGATCGAGCT
for20.211	F.211	CGCGCCCTTGAGCATAATCGAGATCGAGCT
for20.212	F.212	CGCGCATGTTTCGGAAGAGCTGTCTCGAGCT
for20.213	F.213	CGCGCACATGAGCCATAAGTGTCTCGAGCT
for20.214	F.214	CGCGCACACGCTGTGAACTTGTCTCGAGCT

for20.215	F.215	CGCGCGGACACTATACAGCATTCTCGAGCT
for20.219	F.219	CGCGCATATGGACACGCGCCTCAAGGAGCT
for20.220	F.220	CGCGCCATTAGTGACCAGCGAGACGGAGCT
for20.221	F.221	CGCGCCTATACGCAGGCATGAGACGGAGCT
for20.223	F.223	CGCGCTATAGTCACGCAGCACGACGGAGCT
for20.224	F.224	CGCGCATTCCGCACGCGCATTATGGGAGCT
for20.225	F.225	CGCGCAACTACGATGCAGAGACTGGGAGCT
for20.226	F.226	CGCGCATTGCTGCTACACCGACTGGGAGCT
for20.227	F.227	CGCGCATGATGACCGCACTGACTGGGAGCT
for20.228	F.228	CGCGCTACGTCTGACCATGCGTCTGGAGCT
for20.241	F.241	CGCGCGCAGATAGCACAAATCGGCCAGAGCT
for20.243	F.243	CGCGCCAGCAGGTGAAACGATGCCAGAGCT
for20.244	F.244	CGCGCGCCGAGATCACAATATGCCAGAGCT
for20.245	F.245	CGCGCTCGCCCCTACAATGAGAGAGAGCT
for20.246	F.246	CGCGCTTCTGGCAAGCAATAGAGAGAGCT
for20.247	F.247	CGCGCCCTGCTGATAAAGTACGAGAGAGCT
for20.248	F.248	CGCGCGCATCACAGCAATGGGCATAGAGCT
for20.249	F.249	CGCGCGCATTCTACCAAGCTGCATAGAGCT
for20.250	F.250	CGCGCCAAGGTGGACCAAGTGCATAGAGCT
for20.253	F.253	CGCGCTGCAACTGGCTTCAATTCGCGAGCT
for20.254	F.254	CGCGCCATGGTTAGGAAGCATTTCGCGAGCT
for20.255	F.255	CGCGCCCTGCACTAAGATTATTCGCGAGCT
for20.256	F.256	CGCGCCCCTGGATACAGATTCATCGAGCT
for20.257	F.257	CGCGCCGACTACAGGCATATTCATCGAGCT
for20.258	F.258	CGCGCGCGCTCGATATAACTTCATCGAGCT
for20.259	F.259	CGCGCCAGAGTAACGCATGTTTCATCGAGCT
for20.261	F.261	CGCGCCAGATGACTGAATGGCTCTCGAGCT
for20.264	F.264	CGCGCCTTCAGAGTAGACTAGATGGGAGCT
for20.265	F.265	CGCGCCTATTCTGGAGCACCGATGGGAGCT
for20.266	F.266	CGCGCACTGATAGACGATTCGATGGGAGCT
for20.268	F.268	CGCGCGAGTACGCTCCATAGCTCTGGAGCT
for20.269	F.269	CGCGCTTAGGCTATGCACCGCTCTGGAGCT
for20.270	F.270	CGCGCTATTAGCTGCCAGGGCTCTGGAGCT
for20.271	F.271	CGCGCAACGATGTAGCATGGCTCTGGAGCT
for20.272	F.272	CGCGCCAATGTAGAGGATCGTGCATGAGCT
for20.274	F.274	CGCGCATCATTGTGCGCAGGGTGCATGAGCT
for20.277	F.277	CGCGCATCACTGTAGTCACGTAGCTGAGCT
for20.278	F.278	CGCGCTCATTGCTGGCAGTGTAGCTGAGCT
for20.279	F.279	CGCGCAGTGCAGTCGGCCATTAGCTGAGCT
for20.280	F.280	CGCGCGCCAGATTGAAACACTGCCAGAGCT
for20.281	F.281	CGCGCGAGAGAGTCAACCTGCCAGAGCT
for20.282	F.282	CGCGCCCAGCATTGAAATTCTGCCAGAGCT
for20.283	F.283	CGCGCCCAGTCACAAGATAGTGCCAGAGCT
for20.284	F.284	CGCGCCTGAAGGAGCAATTTTCGAGAGAGCT
for20.285	F.285	CGCGCCGCTCACCTACAAGAGGAGAGAGCT
for20.286	F.286	CGCGCTCCTATGAGACAATGGGAGAGAGCT
for20.287	F.287	CGCGCGCGCCATCGAACCAATGAGAGAGCT
for20.288	F.288	CGCGCCACACGCACGAATTTGCATAGAGCT

Reverse Primer	Sequence (5'->3')
re.145	CGGCATGGATGTGCTCCCTAAG
re.147	CGGCATCACTGGTTACGTCTGG
re.148	CGCCTGTAATGGTGGATCTCAG
re.150	CGCCTGCTGTGGCTGTATATCG
re.151	CGCCTGCGCTGGTCTGAATATG
re.152	CGATCTGTCTGACGCTGTATGG
re.156	CGAGACGCTTCCATCACATTAG
re.160	CGAAAGGTTATGCCACATGCTG
re.162	CGAAACACTTATCAGATCGCGG
re.164	CCGTGATAATGCGTCTCGTAGG
re.165	CCGTGAGCATGAGTGCCTCTAG
re.166	CCGTCTGCGTGATAGTATATGG
re.167	CCGTCTGACTTAATCGAGATGG
re.171	CCCATACATTACAGAGAGTGGG
re.172	CCAGACTGTGCCAGGCTGTATG
re.173	CCAGACTCTTACACAATCGTGG
re.174	CCAGACGTATCTCTTGTTGCAG
re.175	CCAGACGGTGCGCCATGAATAG
re.177	CATGCAAACCTGCTCCTCATGTG
re.178	CATGATGTGCAAAGTGCCGTCG
re.179	CATGATGAGCCGTGATGACCCG
re.181	CAGCGGCTCTCGCATCAGAATG
re.182	CAGCGCCGCGTGAGACAATATG
re.183	CAGCGCCACTGCAACTGATGTG
re.184	CTGGCAAGGTTTGATATTCGCG
re.185	CTGGATTCATTTGCCGCATGGG
re.186	CTGGATTATTGTGAGTGCCCAG
re.187	CTGGATGGATTTCACTGTAGCG
re.188	CTCTCAATATGTCTCTGGAGCG
re.189	CTCTATTGCTGTTGCGCGGCAG
re.190	CTCTATGCCTTTACCTGCAAGG
re.191	CTCTATGAATTGGTATCGCGGG
re.192	CTATCTGCGTTGCTGACGTGCG
re.193	CTATCTGAATTGCGTGCTAGGG
re.194	CTATCTCGCTTGCTATCAACGG
re.195	CTATCTCAGTTGCTCGCATGGG
re.196	CGTGTGCATTGAGTCTATGACG
re.197	CGTGTGATTGAGCTTACTGCAG
re.198	CGTGTGAGCTTCTCTGTCGCAG
re.199	CGTGTGACATTCTGCTATCGGG
re.202	CGGCAGCTTGAGACGCATTCTG
re.204	CGCCTGCGATTCGAGCATGTTG
re.205	CGCCTGATTCCCGCTGATTATG
re.206	CGCCTGATATTCATTCACAGCG
re.207	CGCCTGAGCTGTTAGCGATCAG
re.208	CGATCTGACTTAGTAGTGGCTG
re.209	CGATCTCTGTGAAGTTAGTGCG
re.210	CGATCTCTATTACTATGGCGGG
re.211	CGATCTCGATTATGCTCAAGGG
re.212	CGAGACAGCTCTTCCGAACATG
re.213	CGAGACACTTATGGCTCATGTG
re.214	CGAGACAAGTTCACAGCGTGTG

re.215 CGAGAATGCTGTATAGTGTCCG  
re.219 CCTTGAGGCGCGTGTCCATATG  
re.220 CCGTCTCGCTGGTCACTAATGG  
re.221 CCGTCTCATGCCTGCGTATAGG  
re.223 CCGTCGTGCTGCGTGACTATAG  
re.224 CCCATAATGCGCGTGCGGAATG  
re.225 CCCAGTCTCTGCATCGTAGTTG  
re.226 CCCAGTCGGTGTAGCAGCAATG  
re.227 CCCAGTCAGTGCGGTCATCATG  
re.228 CCAGACGCATGGTCAGACGTAG  
re.241 CTGGCCGATTGTGCTATCTGCG  
re.243 CTGGCATCGTTTCACCTGCTGG  
re.244 CTGGCATATTGTGATCTCGGCG  
re.245 CTCTCTCATTGTAGTGGGCGAG  
re.246 CTCTCTATTGCTTGCCAGGAAG  
re.247 CTCTCGTACTTTATCAGCAGGG  
re.248 CTATGCCATTGCTGTGATGCG  
re.249 CTATGCAGCTTGGTAGAATGCG  
re.250 CTATGCACTTGGTCCACCTTGG  
re.253 CGCGAATTGAAGCCAGTTGCAG  
re.254 CGCGAATGCTTCCTAACCATGG  
re.255 CGCGAATAATCTTAGTGCAGGG  
re.256 CGATGAATCTGTATCCAGTGGG  
re.257 CGATGAATATGCCTGTAGTCGG  
re.258 CGATGAAGTTATATCGAGCGCG  
re.259 CGATGAACATGCGTTACTCTGG  
re.261 CGAGAGCCATTCAGTCATCTGG  
re.264 CCCATCTAGTCTACTCTGAAGG  
re.265 CCCATCGGTGCTCCAGAATAGG  
re.266 CCCATCGAATCGTCTATCAGTG  
re.268 CCAGAGCTATGGAGCGTACTCG  
re.269 CCAGAGCGGTGCATAGCCTAAG  
re.270 CCAGAGCCCTGGCAGCTAATAG  
re.271 CCAGAGCCATGCTACATCGTTG  
re.272 CATGCACGATCCTCTACATTGG  
re.274 CATGCACCCTGCGACAATGATG  
re.277 CAGCTACGTGACTACAGTGATG  
re.278 CAGCTACACTGCCAGCAATGAG  
re.279 CAGCTAATGGCCGACTGCACTG  
re.280 CTGGCAGTGTTC AATCTGGCG  
re.281 CTGGCAGGTTGTGACTCTCTCG  
re.282 CTGGCAGAATTTCAATGCTGGG  
re.283 CTGGCACTATCTTGTGACTGGG  
re.284 CTCTCGAAATTGCTCCTTCAGG  
re.285 CTCTCCTCTTGTAGGTGAGCGG  
re.286 CTCTCCCATTGTCTCATAGGAG  
re.287 CTCTCATTGGTTCGATGGCGCG  
re.288 CTATGCAAATTCGTGCGTGTGG