

Number	Name	Sequence
iG17P001	AmyE_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgtttgcaaaacgattaaaaac
iG17P002	AmyE_SP rev	gatcttcgcggccgtactagtattaaaccgttagcactcgccggc
iG17P003	AspB_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgtttgcaaaacgattatcc
iG17P004	AspB_SP rev	gatcttcgcggccgtactagtattaaaccgttagcactgtgttgcgg
iG17P005	bgIS_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgtttgcaaaacgagtgg
iG17P006	bgIS_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgg
iG17P007	Bpr_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgtttgcaaaacgaaaacag
iG17P008	Bpr_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgg
iG17P009	CccA_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgtttgcaaaacgaaaacgg
iG17P010	CccA_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgg
iG17P011	CitH_SP fw	gatcgaattcggccgttttagataaggaggctaaaaatgtttgcaaaacgaaaagttc
iG17P012	CitH_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgg
iG17P013	Csn_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgtttgcaaaacgaaaagtttgc
iG17P014	Csn_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgg
iG17P015	DacB_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgttttgcgttccatcc
iG17P016	DacB_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgttccatcc
iG17P017	DacF_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgttttgcgttccatcc
iG17P018	DacF_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgttccatcc
iG17P019	DltD_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgttttgcgttccatcc
iG17P020	DltD_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgttccatcc
iG17P071	Epr_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgttttgcgttccatcc
iG17P072	Epr_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgttccatcc
iG17P073	FliL_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgttttgcgttccatcc
iG17P074	FliL_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgttccatcc
iG17P075	FliZ_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgttttgcgttccatcc
iG17P076	FliZ_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgttccatcc
iG17P077	GlpQ_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgttttgcgttccatcc
iG17P078	GlpQ_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgttccatcc
iG17P079	LipA_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgttttgcgttccatcc
iG17P080	LipA_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgttccatcc
iG17P083	LytB_SP fwd	gatcgaattcggccgttttagataaggaggctaaaaatgttttgcgttccatcc
iG17P084	LytB_SP rev	gatcttcgcggccgtactagtattaaaccgttagcgttgcgttccatcc

iG17P085	LytC_SP fwd	gatcgaattcggccgccttttagataaggagggtcaaaaatgcgttcttatataaaagtcc
iG17P086	LytC_SP rev	gatctctgcggccgtactagtattaaaggagggtcaaaaatgcgttggcacaaaaag
iG17P087	LytD_SP fwd	gatcgaattcggccgtactagtattaaaggagggtcaaaaatgcgttggcacaaaaag
iG17P088	LytD_SP rev	gatctctgcggccgtactagtattaaaggagggtcaaaaatgcgttggcacaaaaag
iG17P091	LytR_sp fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaag
iG17P092	LytR_sp rev	gatctctgcggccgtactagtattaaaggagggtcaaaaatgcgttggcacaaaaag
iG17P093	Mdr_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaac
iG17P094	Mdr_SP rev	gatctctgcggccgtactagtattaaaggagggtcaaaaatgcgttggcacaaaaac
iG17P097	Mpr_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatcg
iG17P098	Mpr_SP rev	gatctctgcggccgtactagtattaaaggagggtcaaaaatgcgttggcacaaaaatcg
iG17P101	NprE_Sp fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P102	NprE_Sp rev	gatctctgcggccgtactagtattaaaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P107	PbpX_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaacc
iG17P108	PbpX_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaacc
iG17P133	Pel_SP fwd	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P134	Pel_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P135	PelB_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P136	PelB_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P137	PenP_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P138	PenP_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P139	PhoA_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P140	PhoA_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P141	PhoB_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P142	PhoB_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P143	PhrA_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P144	PhrA_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P145	PhrC_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P146	PhrC_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P147	PhrF_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P148	PhrF_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P149	PhrG_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P150	PhrG_SP rev	gatctctgcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt
iG17P151	PhrK_SP fwd	gatcgaattcggccgttttagataaggagggtcaaaaatgcgttggcacaaaaatgt

iG17P152	PhrK_SP rev	gatctctcgagcccccgtacttgtttaaccggtagttttacactccactaaatcac
iG17P113	RpmG_SP fwd	gatcgaatttcggccgcgttttgtataaggaggtaaaaaatgagaaaaaagattacgttagcat
iG17P114	RpmG_SP rev	gatctctcgagcccccgtacttgtttaaccggctgttatgcgatcgaggctt
iG17P115	SacB_SP fwd	gatcgaatttcggccgcgttttgtataaggaggtaaaaaatgaaatgaaaatggcaaaaac
iG17P116	SacB_SP rev	gatctctcgagcccccgtacttgtttaaccggctgtcgaaaaacgttgatgttgc
iG17P117	SacC_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgattcaaggtaact
iG17P118	SacC_SP rev	gatctctcgagcccccgtacttgtttaaccggctgtatgcgtccggaaatgc
iG17P119	SleB_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgaaatgtaaaggatcgattatgg
iG17P120	SleB_SP rev	gatctctcgagcccccgtacttgtttaaccggctgtcgaaaaaggcagagatcgtttc
iG17P121	SpolID_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgaaacaattgcatact
iG17P122	SpolID_SP rev	gatctctcgagcccccgtacttgtttaaccggctgttcctttatt
iG17P123	SpolIP_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgaaaaaacgcagaacac
iG17P124	SpolIP_SP rev	gatctctcgagcccccgtacttgtttaaccggctacaccggatagaaacaaaatca
iG17P125	SpolIQ_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgagagagaaaaaaaact
iG17P126	SpolIQ_SP rev	gatctctcgagcccccgtacttgtttaaccggtaaaggacagctgtttaatgc
iG17P127	SpolIR_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgaaaacgtaatctttgtt
iG17P128	SpolIR_SP rev	gatctctcgagcccccgtacttgtttaaccgggtttatggcgctccggataaa
iG17P131	TyrA_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgaaatgataatggaaatacaatat
iG17P132	TyrA_SP rev	gatctctcgagcccccgtacttgtttaaccgggtttatggcaatcgaaacc
iG17P129	Vpr_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgaaaaggggatcattcgtttct
iG17P130	Vpr_SP rev	gatctctcgagcccccgtacttgtttaaccgggtttatggcgctgtgaac
iG17P160	WapA_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgaaaaagggcgaaaact
iG17P161	WapA_SP rev	gatctctcgagcccccgtacttgtttaaccgggtttatgcgttgcgg
iG17P162	YbbC_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgaaaaacaataatttgcgttttttt
iG17P163	YbbC_SP rev	gatctctcgagcccccgtacttgtttaaccgggtttatggcgatgggtttatgg
iG17P164	YbbE_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgataaccgggtttatggcaataaagg
iG17P165	YbbE_SP rev	gatctctcgagcccccgtacttgtttaaccgggtttatggcaatcgccatataagg
iG17P166	YbbR_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgataatctttaacaccgtttccat
iG17P167	YbbR_SP rev	gatctctcgagcccccgtacttgtttaaccgggtttatggcaataaagg
iG17P168	YbdG_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatgaaatgggtttatggtaaaatggccaat
iG17P169	YbdG_SP rev	gatctctcgagcccccgtacttgtttaaccgggtttatggcaataaaggatcacaacaaaa
iG17P170	YbdN_SP fwd	gatcgaatttcggccgttttagataaggaggtaaaaaatggtttattcaat
iG17P171	YbdN_SP rev	gatctctcgagcccccgtacttgtttaaccgggtttatggccaatacgttaaaag

iG17P172	YbfO_SP_fwd	gatcgaattcggccgccttttagataaggaggctaaaaatgaaacgaaatgttggaaatgac
iG17P173	YbfO_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggctaaaaaagaa
iG17P174	YbxI_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggaaatgac
iG17P175	YbxI_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggctggctaaaaaagaa
iG17P176	YdbbK_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggaaatgac
iG17P177	YdbbK_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggctggctaaaaaagaa
iG17P178	YdhT_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggaaatgac
iG17P179	YdhT_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggctggctaaaaaagaa
iG17P180	YdJM_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggaaatgac
iG17P181	YdJM_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggctggctggctaaaaaagaa
iG17P182	YdIN_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggaaatgac
iG17P183	YdIN_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggctggctggctaaaaaagaa
iG17P184	YfhK_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggaaatgac
iG17P185	YfhK_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggctggctggctggcg
iG17P186	YfjS_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggaaatgac
iG17P187	YfjS_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggctggctggctggcg
iG17P188	YfkD_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggctggctggcg
iG17P189	YfkD_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggctggcg
iG17P190	YfkN_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggctggcg
iG17P191	YfkN_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggcg
iG17P192	YhcR_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggctggcg
iG17P193	YhcR_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggcg
iG17P194	YhdC_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggctggcg
iG17P195	YhdC_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggcg
iG17P196	YhfM_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggctggcg
iG17P197	YhfM_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggcg
iG17P198	YhjA_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggctggcg
iG17P199	YhjA_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggcg
iG17P201	YjcN_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggctggcg
iG17P202	YjcN_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggcg
iG17P203	YjdB_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggctggcg
iG17P204	YjdB_SP_rev	gatcttcgcggccgtactagtattaaaccgttagcacccggctggctggcg
iG17P205	YjfA_SP_fwd	gatcgaattcggccgttttagataaggaggctaaaaatgaaacgaaatgttggctggcg

iG17P206	YjfA_SP_rev	gatctctcgccgttacttgtttaaccggtccttgccgttgggg
iG17P207	YjIA_SP_fwd	gatcgaattcggccgttttagataaggaggctaaatggcagcacactgattacaa
iG17P208	YjIA_SP_rev	gatctctcgccgttacttgtttaaccggtagaaacaaaggatcgaatgc
iG17P209	YkoJ_SP_fwd	gatcgaattcggccgttttagataaggaggctaaatggatggatgc
iG17P210	YkoJ_SP_rev	gatctctcgccgttacttgtttaaccgggtggcaaaacgcgtttagctg
iG17P211	YkvV_SP_fwd	gatcgaattcggccgttttagataaggaggctaaatgttgcacaaacgcgttgc
iG17P212	YkvV_SP_rev	gatctctcgccgttacttgtttaaccggtagttgcgttgcgttgcgttgc
iG17P213	YkwD_SP_fwd	gatcgaattcggccgttttagataaggaggctaaatgttgcgttgcgttgc
iG17P214	YkwD_SP_rev	gatctctcgccgttacttgtttaaccggctgtgtgtgtgtgtgtgtgtgtgtgt
iG17P215	YlaE_SP_fwd	gatcgaattcggccgttttagataaggaggctaaatgttgcgttgcgttgc
iG17P216	YlaE_SP_rev	gatctctcgccgttacttgtttaaccgggtttgtgtgtgtgtgtgtgtgt
iG17P217	YlbL_SP_fwd	gatcgaattcggccgttttagataaggaggctaaatgttgcgttgcgttgc
iG17P218	YlbL_SP_rev	gatctctcgccgttacttgtttaaccgggtttgtgtgtgtgtgtgtgtgt
iG17P219	YlqB_SP_fwd	gatcgaattcggccgttttagataaggaggctaaatgttgcgttgcgttgc
iG17P220	YlqB_SP_rev	gatctctcgccgttacttgtttaaccgggtttgtgtgtgtgtgtgtgt
iG17P221	YlxF_SP_fwd	gatcgaattcggccgttttagataaggaggctaaatgtccggaaaaaaaatca
iG17P222	YlxF_SP_rev	gatctctcgccgttacttgtttaaccggtaccaggcacaacaa