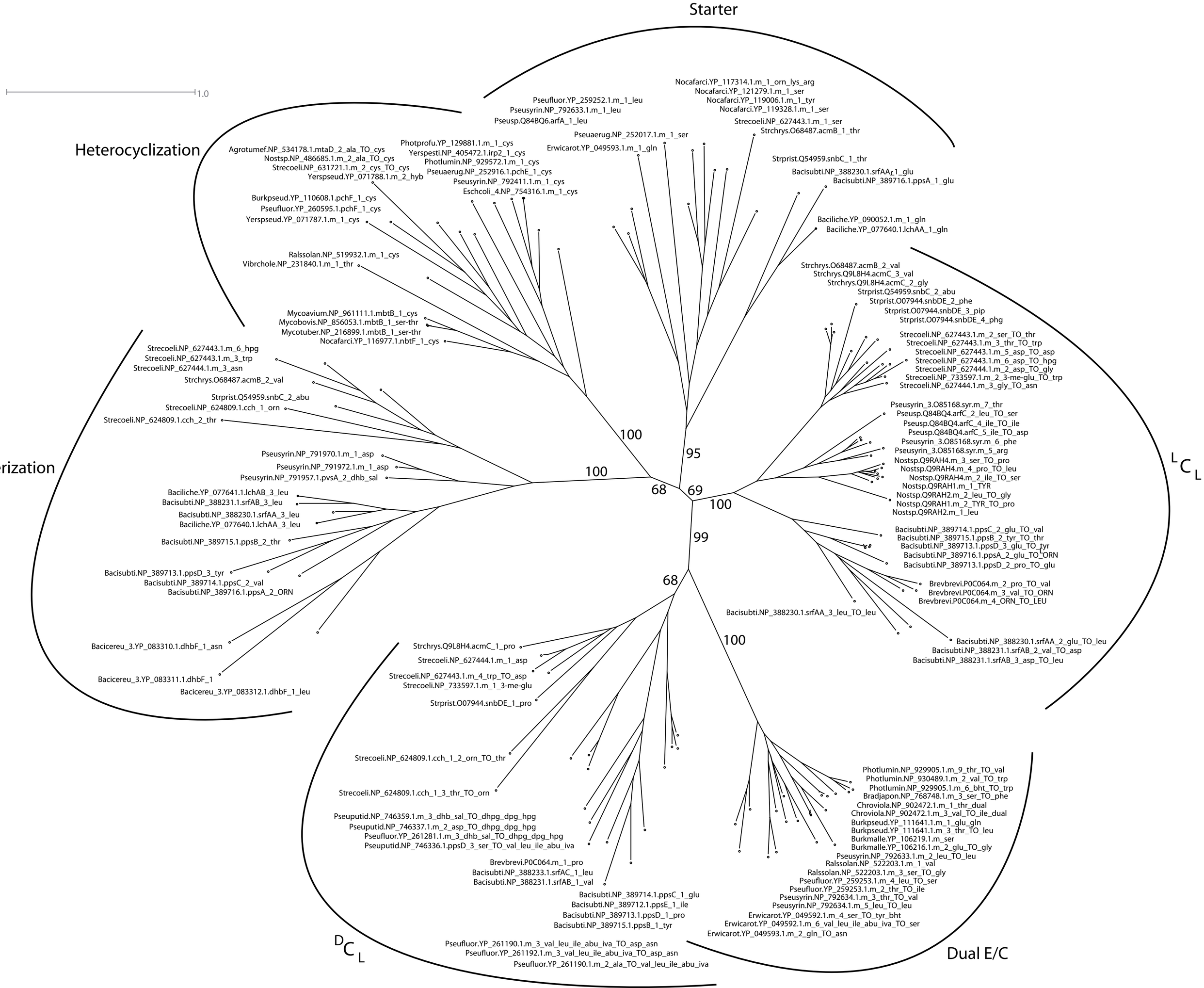
Starter
1.0
Heterocyclization
Epimerization
LCL
DCL
Dual E/C
Nocafarci.YP_117314.1.m_1_orn_lys_arg
Nocafarci.YP_121279.1.m_1_ser
Nocafarci.YP_119006.1.m_1_tyr
Nocafarci.YP_119328.1.m_1_ser
Pseufluor.YP_259252.1.m_1_leu
Pseusyrin.NP_792633.1.m_1_leu
Pseusp.Q84BQ6.arfA_1_leu
Strecoeli.NP_627443.1.m_1_ser
Strchrys.O68487.acmB_1_thr
Pseuaerug.NP_252017.1.m_1_ser
Erwicarot.YP_049593.1.m_1_gln
Photprofu.YP_129881.1.m_1_cys
Yerspesti.NP_405472.1.irp2_1_cys
Photlumin.NP_929572.1.m_1_cys
Pseuaerug.NP_252916.1.pchE_1_cys
Pseusyrin.NP_792411.1.m_1_cys
Eschcoli_4.NP_754316.1.m_1_cys
Agrotumef.NP_534178.1.mtaD_2_ala_TO_cys
Nostsp.NP_486685.1.m_2_ala_TO_cys
Strecoeli.NP_631721.1.m_2_cys_TO_cys
Yerspseud.YP_071788.1.m_2_hyb
Burkpseud.YP_110608.1.pchF_1_cys
Pseufluor.YP_260595.1.pchF_1_cys
Yerspseud.YP_071787.1.m_1_cys
Ralssolan.NP_519932.1.m_1_cys
Vibrchole.NP_231840.1.m_1_thr
Mycoavium.NP_961111.1.mbtB_1_cys
Mycobovis.NP_856053.1.mbtB_1_ser-thr
Mycotuber.NP_216899.1.mbtB_1_ser-thr
Nocafarci.YP_116977.1.nbtF_1_cys
Strprist.Q54959.snbC_1_thr
Bacisubti.NP_388230.1.srfAA_1_glu
Bacisubti.NP_389716.1.ppsA_1_glu
Baciliche.YP_090052.1.m_1_gln
Baciliche.YP_077640.1.lchAA_1_gln
Strchrys.O68487.acmB_2_val
Strchrys.Q9L8H4.acmC_3_val
Strchrys.Q9L8H4.acmC_2_gly
Strprist.Q54959.snbC_2_abu
Strprist.O07944.snbDE_2_phe
Strprist.O07944.snbDE_3_pip
Strprist.O07944.snbDE_4_phg
Strecoeli.NP_627443.1.m_2_ser_TO_thr
Strecoeli.NP_627443.1.m_3_thr_TO_trp
Strecoeli.NP_627443.1.m_5_asp_TO_asp
Strecoeli.NP_627443.1.m_6_asp_TO_hpg
Strecoeli.NP_627444.1.m_2_asp_TO_gly
Strecoeli.NP_733597.1.m_2_3-me-glu_TO_trp
Strecoeli.NP_627444.1.m_3_gly_TO_asn
Strecoeli.NP_627443.1.m_6_hpg
Strecoeli.NP_627443.1.m_3_trp
Strecoeli.NP_627444.1.m_3_asn
Strchrys.O68487.acmB_2_val
Strprist.Q54959.snbC_2_abu
Strecoeli.NP_624809.1.cch_1_orn
Strecoeli.NP_624809.1.cch_2_thr
Pseusyrin_3.O85168.syr.m_7_thr
Pseusp.Q84BQ4.arfC_2_leu_TO_ser
Pseusp.Q84BQ4.arfC_4_ile_TO_ile
Pseusp.Q84BQ4.arfC_5_ile_TO_asp
Pseusyrin_3.O85168.syr.m_6_phe
Pseusyrin_3.O85168.syr.m_5_arg
Nostsp.Q9RAH4.m_3_ser_TO_pro
Nostsp.Q9RAH4.m_4_pro_TO_leu
Nostsp.Q9RAH4.m_2_ile_TO_ser
Nostsp.Q9RAH1.m_1_TYR
Nostsp.Q9RAH2.m_2_leu_TO_gly
Nostsp.Q9RAH1.m_2_TYR_TO_pro
Nostsp.Q9RAH2.m_1_leu
Pseusyrin.NP_791970.1.m_1_asp
Pseusyrin.NP_791972.1.m_1_asp
Pseusyrin.NP_791957.1.pvsA_2_dhb_sal
Baciliche.YP_077641.1.lchAB_3_leu
Bacisubti.NP_388231.1.srfAB_3_leu
Bacisubti.NP_388230.1.srfAA_3_leu
Baciliche.YP_077640.1.lchAA_3_leu
Bacisubti.NP_389715.1.ppsB_2_thr
Bacisubti.NP_389713.1.ppsD_3_tyr
Bacisubti.NP_389714.1.ppsC_2_val
Bacisubti.NP_389716.1.ppsA_2_ORN
Bacicereu_3.YP_083310.1.dhbF_1_asn
Bacicereu_3.YP_083311.1.dhbF_1
Bacicereu_3.YP_083312.1.dhbF_1_leu
Bacisubti.NP_389714.1.ppsC_2_glu_TO_val
Bacisubti.NP_389715.1.ppsB_2_tyr_TO_thr
Bacisubti.NP_389713.1.ppsD_3_glu_TO_tyr
Bacisubti.NP_389716.1.ppsA_2_glu_TO_ORN
Bacisubti.NP_389713.1.ppsD_2_pro_TO_glu
Brevbrevi.P0C064.m_2_pro_TO_val
Brevbrevi.P0C064.m_3_val_TO_ORN
Brevbrevi.P0C064.m_4_ORN_TO_LEU
Bacisubti.NP_388230.1.srfAA_3_leu_TO_leu
Bacisubti.NP_388230.1.srfAA_2_glu_TO_leu
Bacisubti.NP_388231.1.srfAB_2_val_TO_asp
Bacisubti.NP_388231.1.srfAB_3_asp_TO_leu
Strchrys.Q9L8H4.acmC_1_pro
Strecoeli.NP_627444.1.m_1_asp
Strecoeli.NP_627443.1.m_4_trp_TO_asp
Strecoeli.NP_733597.1.m_1_3-me-glu
Strprist.O07944.snbDE_1_pro
Strecoeli.NP_624809.1.cch_1_2_orn_TO_thr
Strecoeli.NP_624809.1.cch_1_3_thr_TO_orn
Pseuputid.NP_746359.1.m_3_dhb_sal_TO_dhpg_dpg_hpg
Pseuputid.NP_746337.1.m_2_asp_TO_dhpg_dpg_hpg
Pseufluor.YP_261281.1.m_3_dhb_sal_TO_dhpg_dpg_hpg
Pseuputid.NP_746336.1.ppsD_3_ser_TO_val_leu_ile_abu_iva
Brevbrevi.P0C064.m_1_pro
Bacisubti.NP_388233.1.srfAC_1_leu
Bacisubti.NP_388231.1.srfAB_1_val
Bacisubti.NP_389714.1.ppsC_1_glu
Bacisubti.NP_389712.1.ppsE_1_ile
Bacisubti.NP_389713.1.ppsD_1_pro
Bacisubti.NP_389715.1.ppsB_1_tyr
Pseufluor.YP_261190.1.m_3_val_leu_ile_abu_iva_TO_asp_asn
Pseufluor.YP_261192.1.m_3_val_leu_ile_abu_iva_TO_asp_asn
Pseufluor.YP_261190.1.m_2_ala_TO_val_leu_ile_abu_iva
Photlumin.NP_929905.1.m_9_thr_TO_val
Photlumin.NP_930489.1.m_2_val_TO_trp
Photlumin.NP_929905.1.m_6_bht_TO_trp
Bradjapon.NP_768748.1.m_3_ser_TO_phe
Chroviola.NP_902472.1.m_1_thr_dual
Chroviola.NP_902472.1.m_3_val_TO_ile_dual
Burkpseud.YP_111641.1.m_1_glu_gln
Burkpseud.YP_111641.1.m_3_thr_TO_leu
Burkmalle.YP_106219.1.m_ser
Burkmalle.YP_106216.1.m_2_glu_TO_gly
Pseusyrin.NP_792633.1.m_2_leu_TO_leu
Ralssolan.NP_522203.1.m_1_val
Ralssolan.NP_522203.1.m_3_ser_TO_gly
Pseufluor.YP_259253.1.m_4_leu_TO_ser
Pseufluor.YP_259253.1.m_2_thr_TO_ile
Pseusyrin.NP_792634.1.m_3_thr_TO_val
Pseusyrin.NP_792634.1.m_5_leu_TO_leu
Erwicarot.YP_049592.1.m_4_ser_TO_tyr_bht
Erwicarot.YP_049592.1.m_6_val_leu_ile_abu_iva_TO_ser
Erwicarot.YP_049593.1.m_2_gln_TO_asn
100
95
100
68
69
100
99
68
100