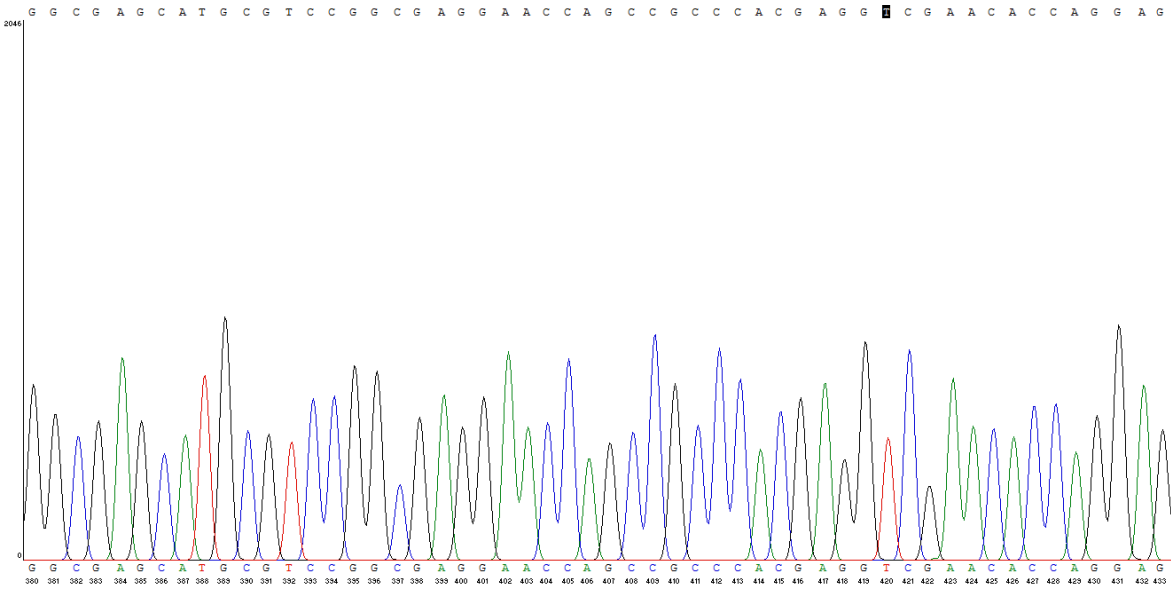
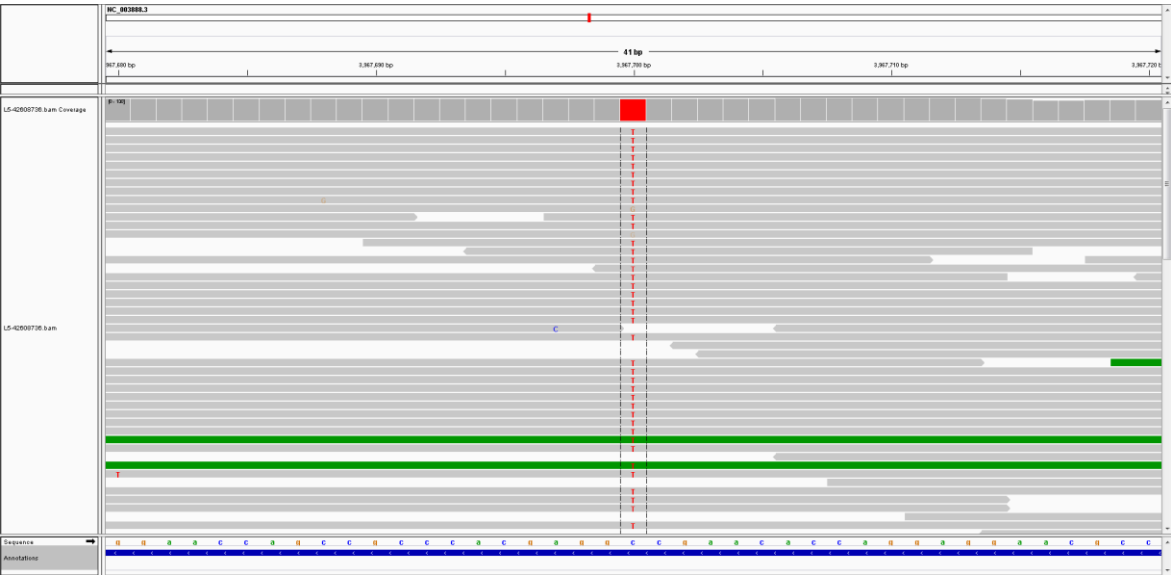


SNP of *vanS* in L5 (identified by both Illumina and Sanger sequencing)

Sanger



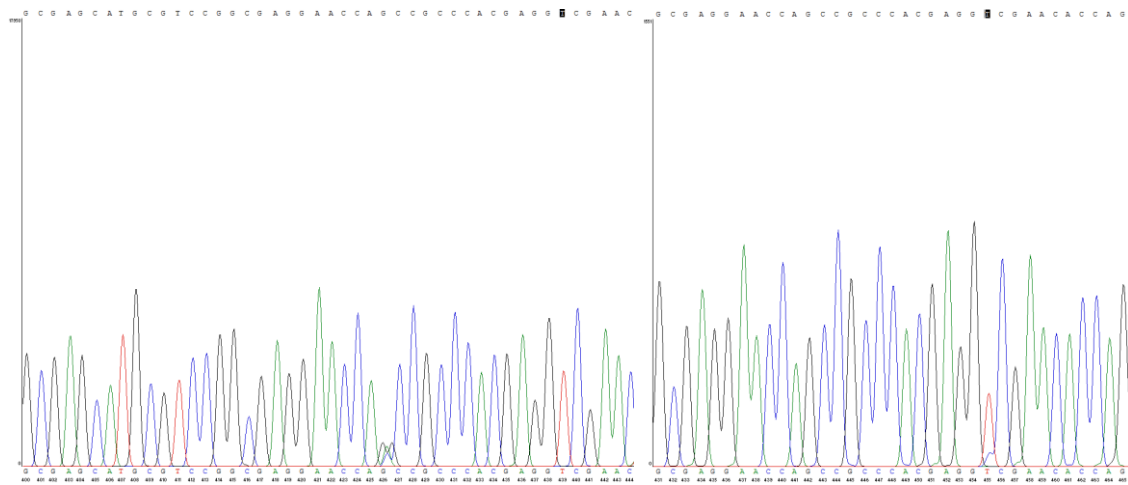
Illumina



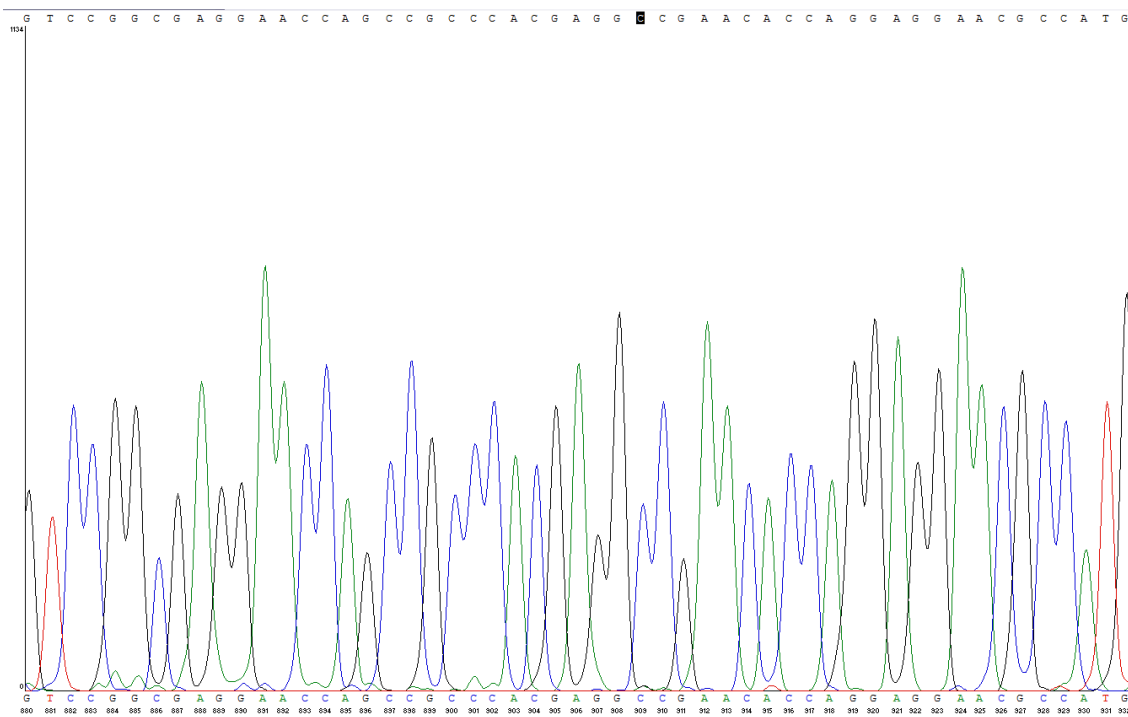
Supplementary Figure S1.

SNP of the *vanS* chromosomal gene in L1 (identified by Sanger sequencing)

Sanger reaction (L1 strain): sequences shown are from 2 different PCR reactions



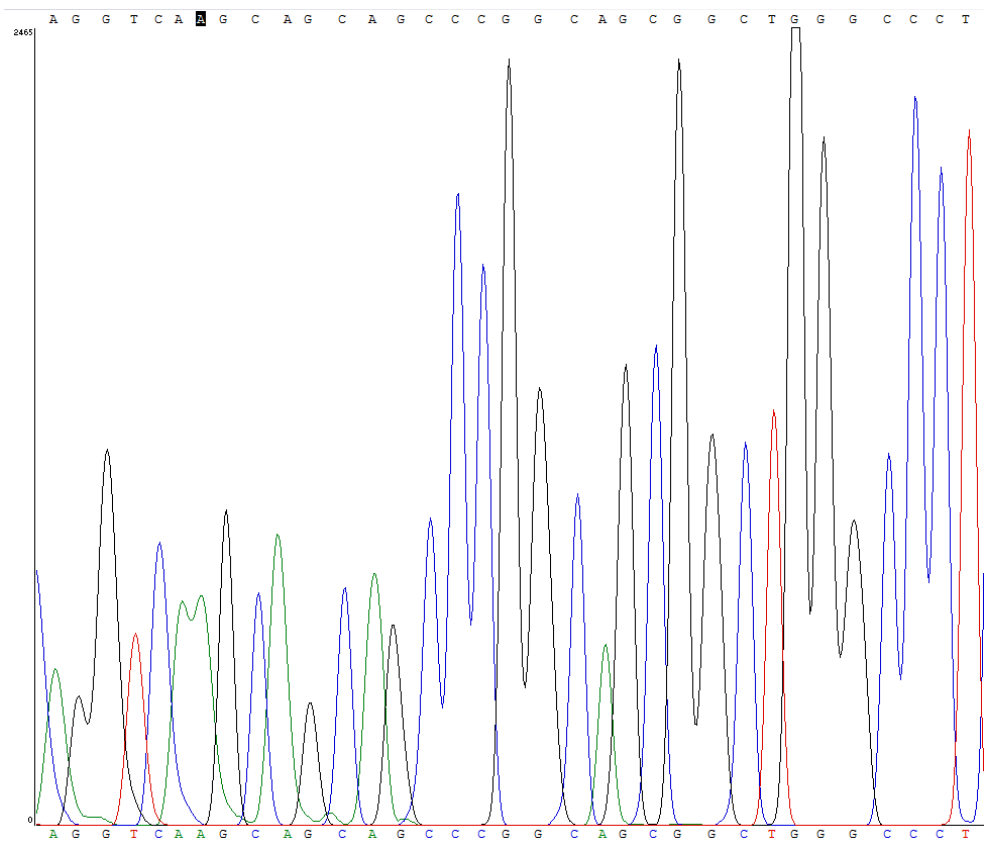
Sanger reaction (W1 strain)



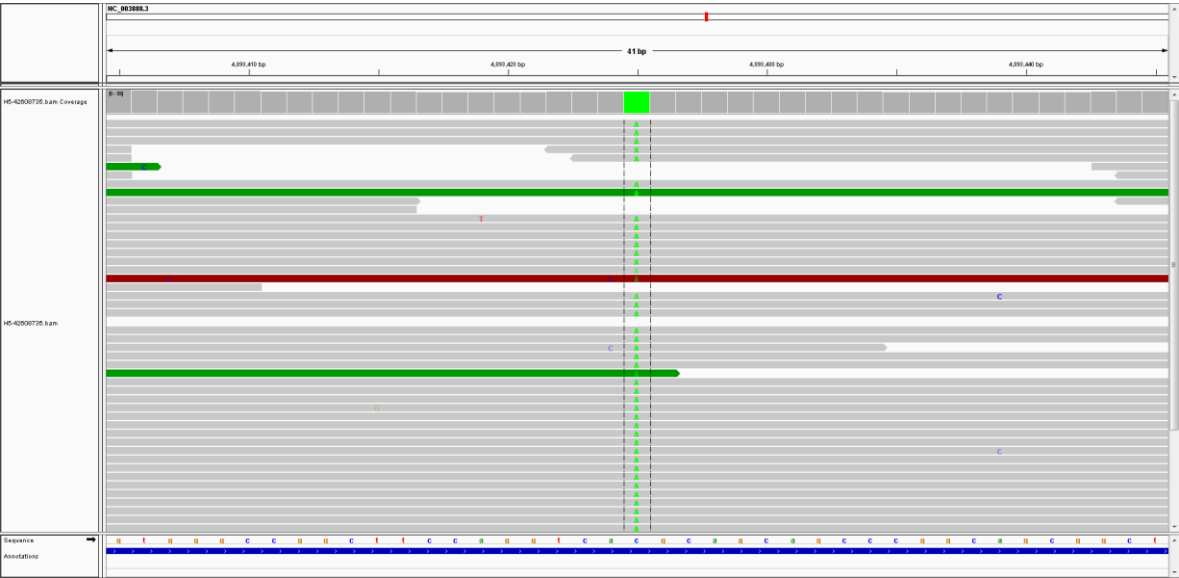
Supplementary Figure S2.

SNP of SCO4474 in H5 (identified by both Illumina and Sanger sequencing)

Sanger



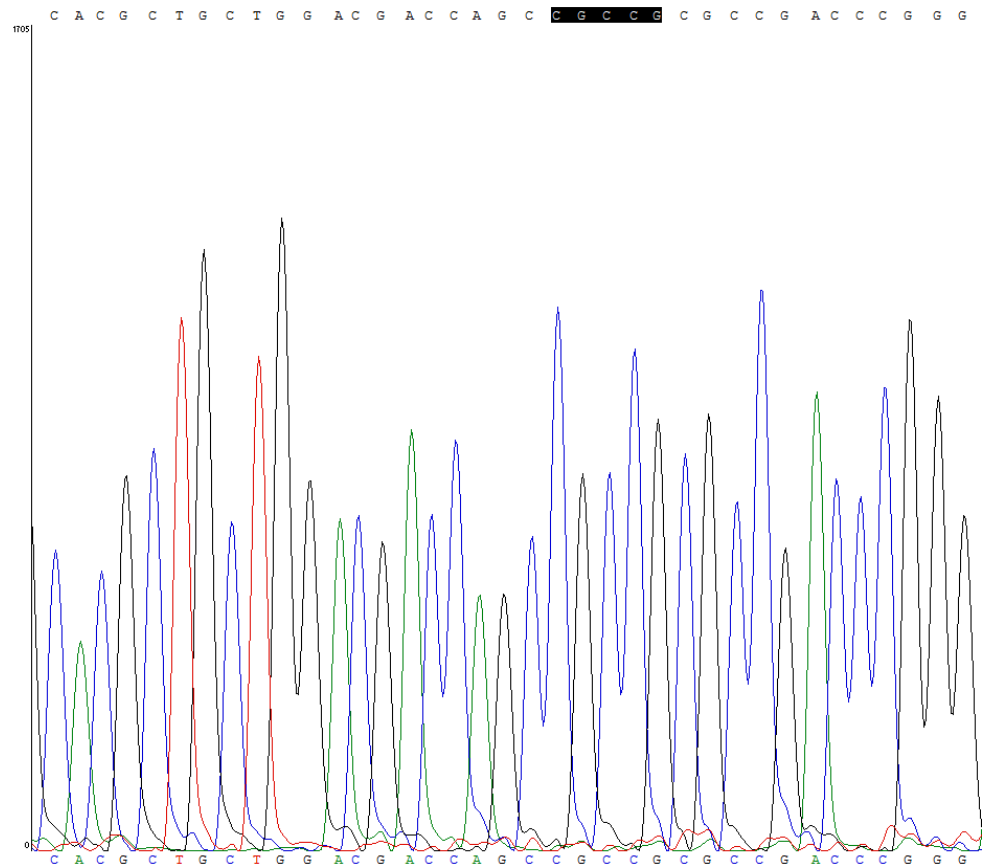
Illumina



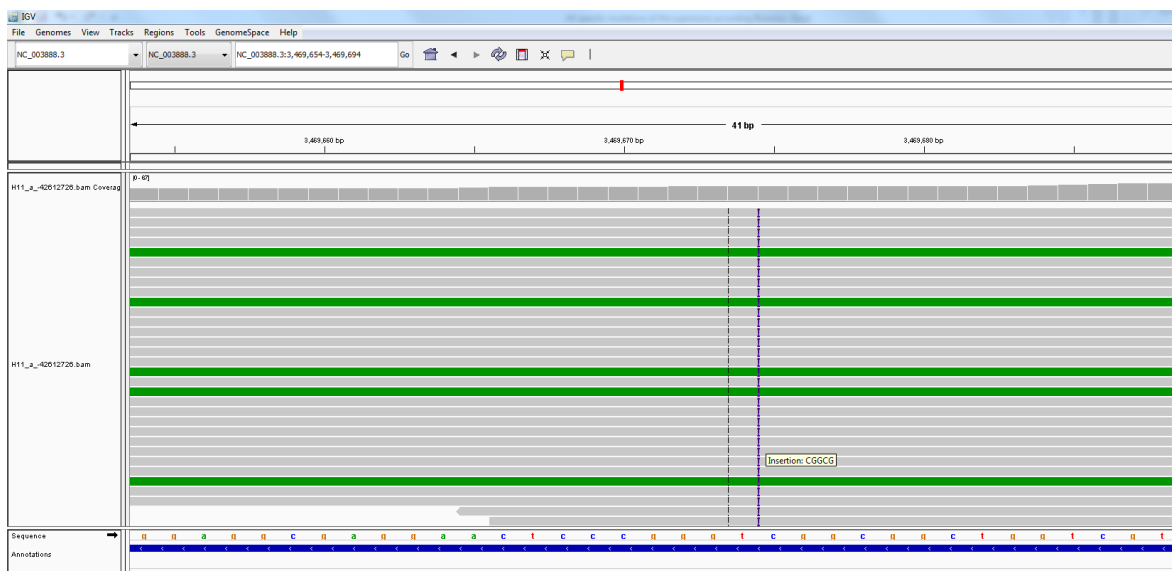
Supplementary Figure S3.

Insertion in SCO3167 of H11 (identified by both Illumina and Sanger sequencing)

Sanger



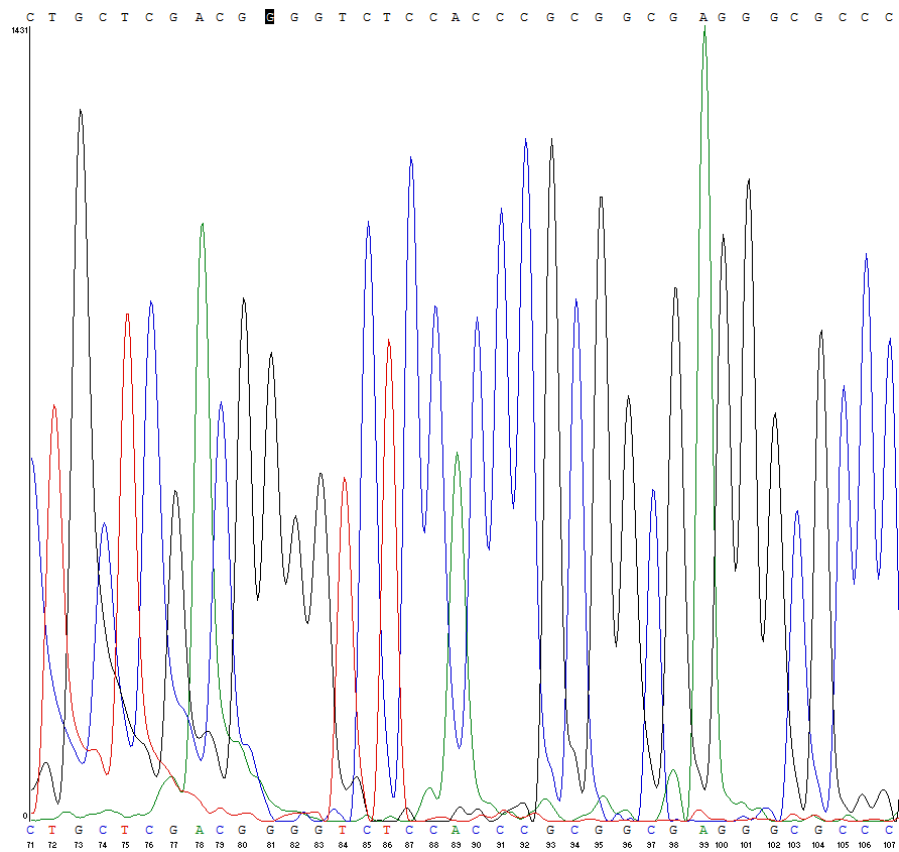
Illumina



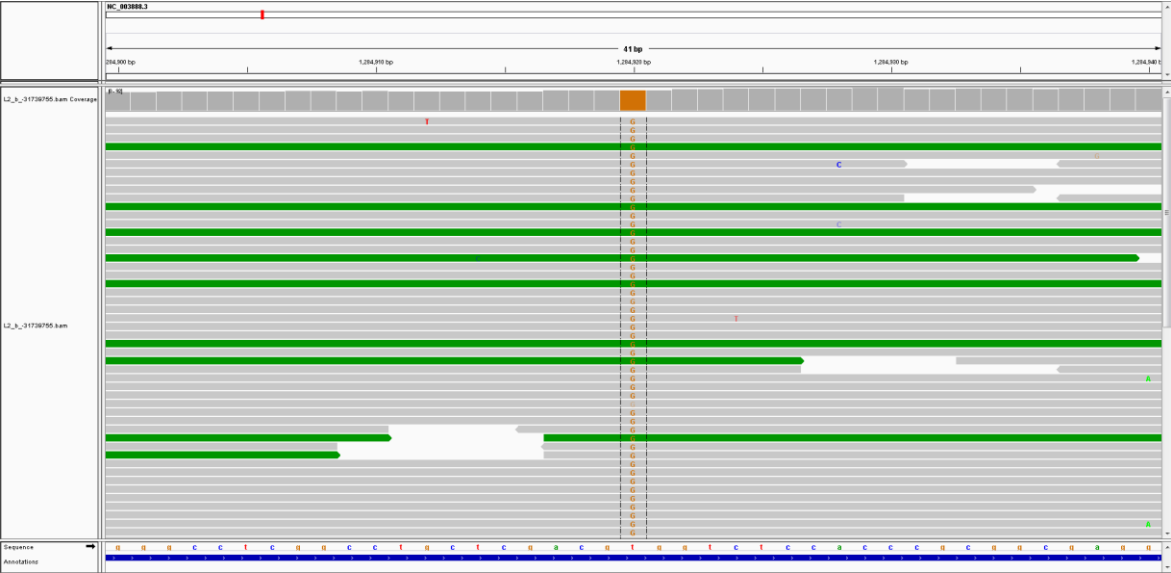
Supplementary Figure S4.

SNP of SCO1213 in L2 (identified by both Illumina and Sanger sequencing)

Sanger



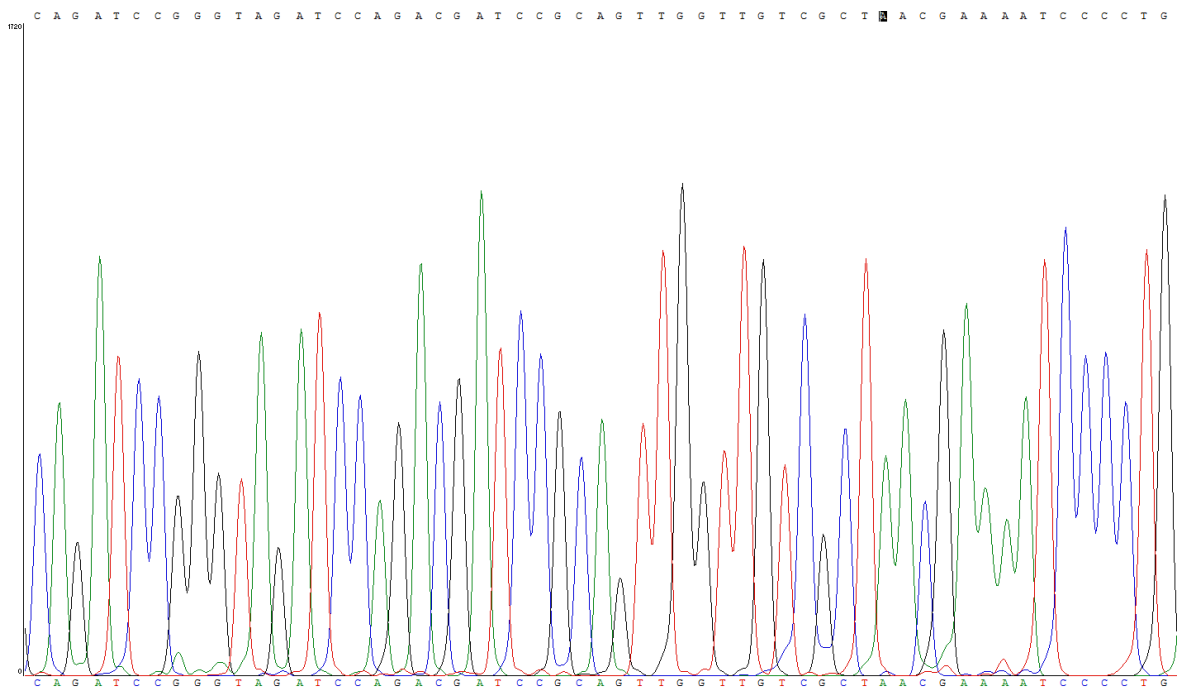
Illumina



Supplementary Figure S5.

SNP of SCO1213 in L4 (identified by both Illumina and Sanger sequencing)

Sanger

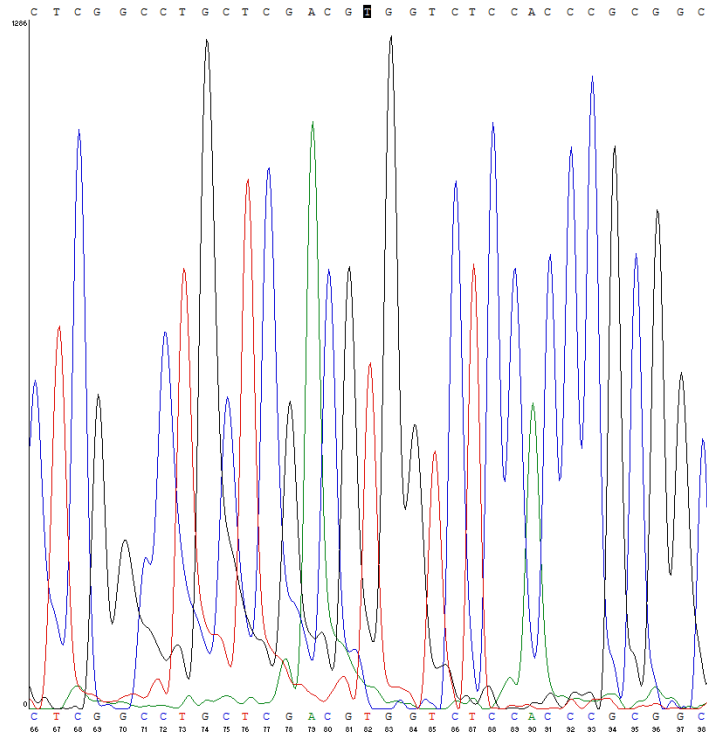


Illumina

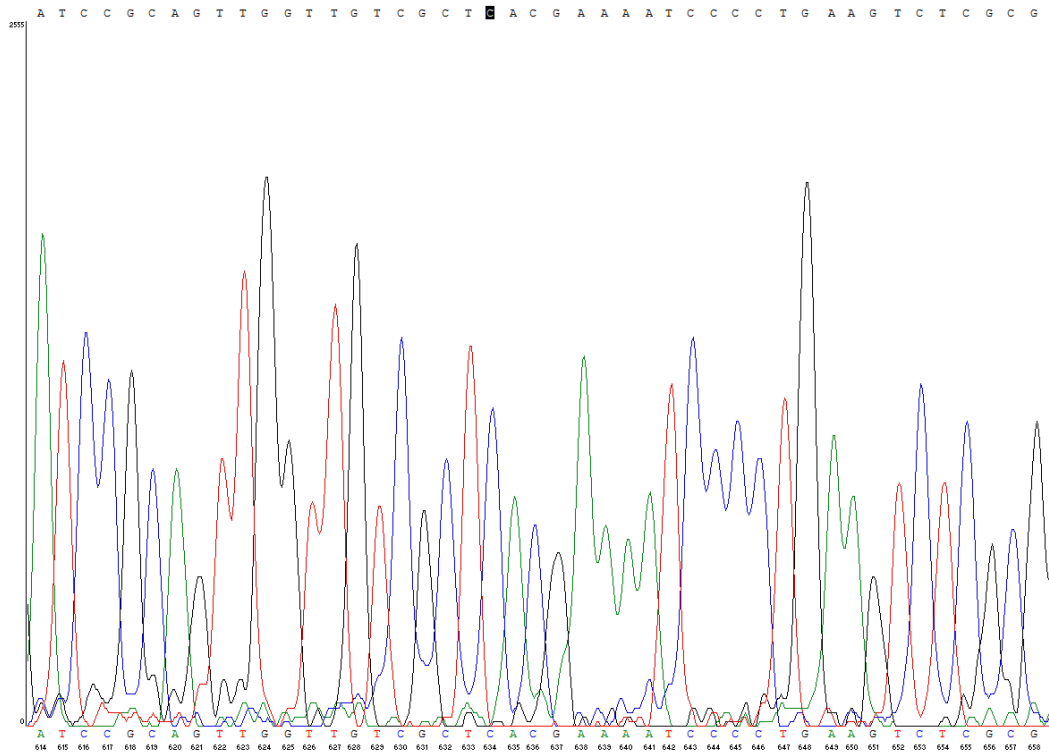


Supplementary Figure S6.

No variant of SCO1213 in W1 (identified by both Illumina and Sanger sequencing)



No variant of SCO1213 in W2 (identified by both Illumina and Sanger sequencing)



Supplementary Figure S7.

SNP of *vanS* in L1 and L5 (Gly77→Asp77)

WT protein

vdrrpglsvrkltsyagfltagvlllvavgvflldqgwilltnergavratpgtvflrsfaptaawvmafllvfglvggwflagrmlapl drite
atrtaatgslshrirlpgrrdeyreladafdemlarleahvaeqrrfaanashelrtplavskaildvartdphqdpgeiidrlhavntraidlteall
llsragqrsftreqvdmsllaeeatetllpfaekhgvtlettrghvtlalgspallqlttnlvhnaivhnlpggrgrvwihtaagprtttrlvventgdli
sphqastltepfqrgterihtdhpgvglglaivntitqahdgtltltprhsgglrvtvelpaaaphtgr*

Mut protein

vdrrpglsvrkltsyagfltagvlllvavgvflldqgwilltnergavratpgtvflrsfaptaawvmafllvfdlvggwflagrmlapl drite
atrtaatgslshrirlpgrrdeyreladafdemlarleahvaeqrrfaanashelrtplavskaildvartdphqdpgeiidrlhavntraidlteall
llsragqrsftreqvdmsllaeeatetllpfaekhgvtlettrghvtlalgspallqlttnlvhnaivhnlpggrgrvwihtaagprtttrlvventgdli
sphqastltepfqrgterihtdhpgvglglaivntitqahdgtltltprhsgglrvtvelpaaaphtgr*

1	vdrrpglsvrkltsyagfltagvlllvavgvflldqgwilltnergav	50
1	vdrrpglsvrkltsyagfltagvlllvavgvflldqgwilltnergav	50
51	ratpgtvflrsfaptaawvmafllvfglvggwflagrmlapl driteatr	100
51	ratpgtvflrsfaptaawvmafllvfdlvggwflagrmlapl driteatr	100
101	taatgslshrirlpgrrdeyreladafdemlarleahvaeqrrfaanash	150
101	taatgslshrirlpgrrdeyreladafdemlarleahvaeqrrfaanash	150
151	elrtplavskaildvartdphqdpgeiidrlhavntraidlteallllsr	200
151	elrtplavskaildvartdphqdpgeiidrlhavntraidlteallllsr	200
201	agqrsftreqvdmsllaeeatetllpfaekhgvtlettrghvtlalgspal	250
201	agqrsftreqvdmsllaeeatetllpfaekhgvtlettrghvtlalgspal	250
251	llqlttnlvhnaivhnlpggrgrvwihtaagprtttrlvventgdli sphqa	300
251	llqlttnlvhnaivhnlpggrgrvwihtaagprtttrlvventgdli sphqa	300
301	stltepfqrgterihtdhpgvglglaivntitqahdgtltltprhsgglr	350
301	stltepfqrgterihtdhpgvglglaivntitqahdgtltltprhsgglr	350
351	vtvelpaaaphtgr*	365
351	vtvelpaaaphtgr*	365

Supplementary Figure S8.

SNP of SCO1213 in L2 (Val120 → Gly120)

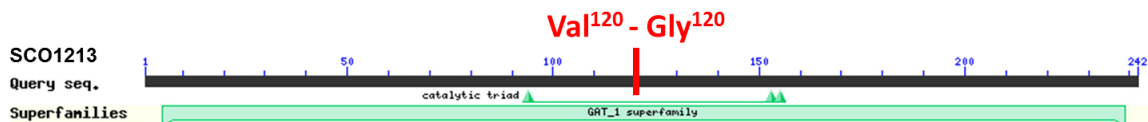
WT protein

vsdnqlrivwiypdllstygdqgnalvverrarqrgldvarldvrsdqiptsgdiylvgggedrpqrlaaerlrrdgglyraven
gaivfsvcagyqilghefindlgqrepvglldvstrgegarcvgdvlgdidprlglppltgfenhqgvthvgpnarplaqvrfg
ngngtgdgtegayndtvfgtymhgvpvlarnpliadlllklaldvnalpptddrwealrneriaaaqqa*

Mut protein

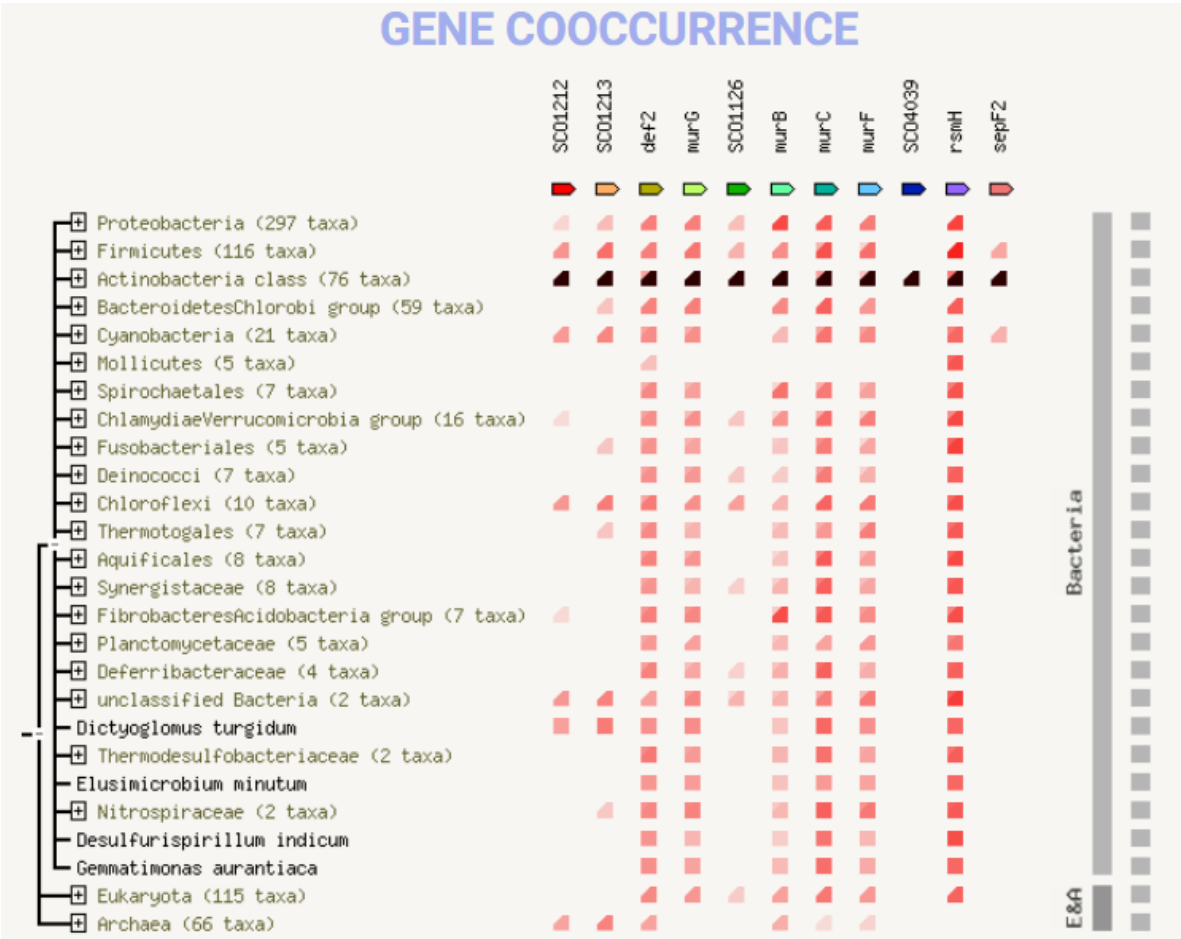
vsdnqlrivwiypdllstygdqgnalvverrarqrgldvarldvrsdqiptsgdiylvgggedrpqrlaaerlrrdgglyraven
gaivfsvcagyqilghefindlgqrepvglldgstrgegarcvgdvlgdidprlglppltgfenhqgvthvgpnarplaqvrfg
ngngtgdgtegayndtvfgtymhgvpvlarnpliadlllklaldvnalpptddrwealrneriaaaqqa*

1	vsdnqlrivwiypdllstygdqgnalvverrarqrgldvarldvrsdqip	50
1	vsdnqlrivwiypdllstygdqgnalvverrarqrgldvarldvrsdqip	50
51	ptsgdiylvgggedrpqrlaaerlrrdgglyravengaivfsvcagyqil	100
51	ptsgdiylvgggedrpqrlaaerlrrdgglyravengaivfsvcagyqil	100
101	ghefindlgqrepvglldvstrgegarcvgdvlgdidprlglppltgf	150
101	ghefindlgqrepvglldgstrgegarcvgdvlgdidprlglppltgf	150
151	enhqgvthvgpnarplaqvrfgngngtgdgtegayndtvfgtymhgvp	200
151	enhqgvthvgpnarplaqvrfgngngtgdgtegayndtvfgtymhgvp	200
201	rnpliadlllklaldvnalpptddrwealrneriaaaqqa*	243
201	rnpliadlllklaldvnalpptddrwealrneriaaaqqa*	243



Supplementary Figure S9.

STRING analysis of the SCO1212-SCO1213 gene cooccurrence



Supplementary Figure S11.