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Potential Pheromones Produced by all North American CC5 strains

Locus (position of signal)	Signal Sequence	Locus (position of signal)	Signal Sequence
SaurJH1_0087 (1-24)	MMKRLNKLVLGIIFLFLVISITAG	SaurJH1_1143 (1-19)	MSKFKSLLLLFGTLILLSSG
SaurJH1_0089 (1-23)	MKRLNTLVLYISFLLIISIVAG	SaurJH1_1174 (1-19)	MKFGKTIADVGLASSVLLAG
SaurJH1_0090 (1-23)	MKRLNKLVLGIFLFLVISITAG	SaurJH1_1214 (1-19)	MRIKYTLTILVISVVILTS
SaurJH1_0091 (1-23)	MKRLNKLVLVISFLLIIVISFTAG	SaurJH1_1297 (1-18)	MKKTGLGCLLIMLLVVAG
SaurJH1_0106 (1-20)	MNKVIKMLVVTLAFLLVLAG	SaurJH1_1479 (1-20)	MKKWQFVGTALGATLLGA
SaurJH1_0134 (1-20)	MKNFKYLFVLM LAVIVFAAA	SaurJH1_1575 (1-17)	MFKRKILILIATIIILSG
SaurJH1_0199 (1-18)	MKKIISTAIIVLALVLSG	SaurJH1_1576 (1-17)	MFKRKILILIATIIILSG
SaurJH1_0205 (1-20)	MSKILKCTILAVVMLLIVTA	SaurJH1_1578 (1-17)	MKKFIGSVLATTLLILGG
SaurJH1_0215 (1-17)	MKSKIYIILLFLIFLSS	SaurJH1_1622 (1-16)	MKKLVSVIGATLLLAG
SaurJH1_0293 (1-18)	MMKRILVVFLMLAILAG	SaurJH1_1884 (1-24)	MKKFLKFKGMKICMLYLLIFLSS
SaurJH1_0401 (1-17)	MKKLTTLLLASTLLIAA	SaurJH1_1887 (1-18)	MKFKAIVAITLSFSLTAA
SaurJH1_0431 (1-18)	MKLSLAVLSMSAVLTA	SaurJH1_1909 (1-17)	MRRLLSLLLASTMILVA
SaurJH1_0437 (1-19)	MKKRLLSTFLASALITG	SaurJH1_1928 (1-20)	MKMINKLIVPVTASALLLGA
SaurJH1_0471 (1-22)	MRYLKRLSWYISILILIVVIAG	SaurJH1_1992 (1-17)	MKRTLVLITAIIFILAA
SaurJH1_0472 (1-22)	MGYLKKLALFISVILGIFIIG	SaurJH1_2165 (1-19)	MKKKALLPLFLGIMVFLAG
SaurJH1_0473 (1-22)	MGYSKRFALYISILILIVMAG	SaurJH1_2165 (1-19)	MKKKALLPLFLGIMVFLAG
SaurJH1_0475 (1-22)	MRDSKRVVLYISIMVLSIFIIG	SaurJH1_2246 (1-21)	MRGLKTFISILGLIVALLVAA
SaurJH1_0476 (1-22)	MGYSKRFALYISILILIVMAG	SaurJH1_2346 (1-19)	MKMKRFIAIVMALFLVLAG
SaurJH1_0477 (1-22)	MGYLKRLVLYIVIMVMSVFIIG	SaurJH1_2351 (1-17)	MKLLLLPLIIMLLVLA
SaurJH1_0478 (1-22)	MGYFKRVVLYIIVMVSVFIIG	SaurJH1_2438 (1-17)	MKRLVTGLLALSFLAA
SaurJH1_0479 (1-22)	MKSIKRIGLCISLLIIFATS	SaurJH1_2453 (1-20)	MKRLTKMSAMLLASGLITG
SaurJH1_0480 (1-22)	MEYIKKIALYMSVLLLIIFIGG	SaurJH1_2478 (1-20)	MKKKLGMLLLVPVATLSLAA
SaurJH1_0498 (1-17)	MKRLIGLVIVALVLA	SaurJH1_2482 (1-18)	MKKLPLTIVFVMSLLILTA
SaurJH1_0647 (1-18)	MKKSIAFIILFIMLVLSG	SaurJH1_2483 (1-17)	MKRFVATVLLLLVFIISG
SaurJH1_0669 (1-17)	MKLVPLLLALLLVVAA	SaurJH1_2487 (1-17)	MKRLFLVMIASFVFIILAA
SaurJH1_0717 (1-17)	MKLIISIMAVMLFLTG	SaurJH1_2521 (1-20)	MKKIKYILVVVFLSLTVLSG
SaurJH1_0748 (1-20)	MNTKYFLAVGAVASVLTGGA	SaurJH1_2534 (1-20)	MKKLCSLIVVALICIIALSA
SaurJH1_0777 (1-18)	MKKTVLYLVLVAVMFLAA	SaurJH1_2566 (1-23)	MMIHSRKLRLWLYLVLLAVFIGA
SaurJH1_0781 (1-19)	MKKIVIAVLAALLFVVISA	SaurJH1_2762 (1-20)	MHKYLLFFLLLSVALLYIS
SaurJH1_0825 (1-17)	MKKVMGILLASTLILGA	SaurJH1_2827 (1-16)	MKKLIFLIAIALVLVA
SaurJH1_0856 (1-19)	MKKLFLILVLTFFAVLLAA	SAV_0382 (1-16) [†]	MCVVYRTSVLTLASG
SaurJH1_1008 (1-20)	MTRKFRTLILILIIATIALSG	SaurJH1_1042 (1-17) ^{††}	MKRLGLTLASALVLAG
SaurJH1_1009 (1-20)	MGKLIKYSIILLIVVLVLSA	VRA015 (1-16) [‡]	MKKLLTIVILFTLVLAG
SaurJH1_1119 (1-21)	MNRNIVKLVVFMILLIVVAVAG		

[†] Found in all VRSA excluding VRS6, not annotated in CC5 genomes other than ED98, and present in ST398 and EMRSA15.

^{††} Orthogroup analysis suggested that this lipoprotein was present only in the JH1, JH9 and ST398 genomes.

[‡] Present in strains carrying the plasmid pSK41.