

Supplementary Table2. List of oligonucleotides used in gene PCR detection

Gene name Locus_tag	Primer name	Sequence 5' to 3'	PCR product size in bp
LSA0088	OLS1683	ATTACCAATGCGCGTTTTCT	1197
	OLS1684	CCTTCTTCTTGAAGTCCAAT	
LSA0118	OLS1782	AAGAAAGTTATGAGCGAACAGT	1944
	OLS1783	ACCAAAGCTTGTTTCGTATT	
LSA0157	OLS678	AAATTGGTGAACATAATGATGTAA	1019
	OLS1702	TTTTACCTGTTAAAGTCGGTTTAG	
LSA0165	OLS1733	GGTGAGGCAGATTATCAAGG	722
	OLS1734	AGCAGCATTGCTAGCTAAAA	
LSA0172	OLS200B	AATTTCTAGCTACAATATTCAGGG	1865
	OLS1810	TATCACCTAAGTCAGCATCAAA	
LSA0178	MAR9	CTAGATAATACAAGAAGAGCGCTC	377
	MAR10	ATCTATCTGACTCAACGTTTC	
LSA0212	OLS1811	TGGTGAAATTACAGCTAAAGATG	2576
	OLS1812	ACGCCATAATTATCGGTGAC	
LSA0216	OLS1876	TTAAAGTTGATGGTGATGAT	1688
	OLS1877	TGATTAAGTGTTGGTTTTGG	
LSA0217	OLS1744	GCGGATACTAGATTTATTGGTG	542
	OLS1745	CACACCGATTGATTAAGGTC	
LSA0218	OLS1746	GAAGCCAATTTTAACGATGA	269
	OLS1747	CGCTAATGCTTCTTTACGTT	
LSA0219_b	OLS1748	CAATTGCCATGTGTAACGTA	714
	OLS1749	CCAATTGCAGCTAACAAGTAA	
OLS0439	OLS1833	ACTGATAAATCAGCGTCCAA	670
	OLS1834	CTAAATATCGCAACGATTGTG	
LSA0564_a to LSA0564_c	OLS1794	AGTTTTGGTAAAGGATTTATTGG	810
	OLS1795	TCCATACCTAGAAAATCCTACAAT	
LSA0565 to LSA0566	OLS1766	GTGTTTCTTAAGAAAAGTAACGTGT	367
	OLS1767	AAATAAGCCTGATACGATTAATGA	
LSA0567 to LSA0569_b	OLS1768	GGCAATTAATGATCAAGAACTATT	1013
	OLS1769	CATTGACTATCCAAGTACCCATT	
LSA0572	OLS1707	TGACATTTGTGATATTCGTGATA	904
	OLS1708	TGTTCTTATCTTCAAGCCACTTAG	
LSA0724 to LSA0725	OLS1784	TGCATCAGCTTCAGTTATTTTTAT	1525
	OLS1785	TGAAAACCTGAAACAATCGTTACA	

Gene name Locus_tag	Primer name	Sequence 5' to 3'	PCR product size in bp
LSA0727	OLS1786 OLS1787	TCCTTGTTGGTGCATTATAAGT CCTGAGTTTTACTCAAGAATCAA	702
LSA1006	OLS1739 OLS1740	GGTGTTCCTGCATTTATTGGTG TACCGACAATTGGAGACCAT	878
LSA1182/1183	OLS1760 OLS1761	GCGATTGCTGGTAACATAGG AAAATCTTGCAACCGAACTC	1848
LSA1509	OLS1790 OLS1791	TTTTTATTGATGTTTATTAG GTTTAAGTTTATGGTGATTT	343
LSA1510_a to LSA1510_c	OLS1792 OLS1793	TTATTAATTTGTTATAAATT AATTTTAGTGATTGTTGAATA	1251
LSA1510_d to LSA1510_f	OLS1798 OLS1799	AATAGAATTTAATTGGTTTTTTT ATAGAGGTTTTTGGGAATGAA	2238
LSA1510_g	OLS1796 OLS1797	TATTTTGTTTTTAGTTTTTGT TTGGTATTAGTGTTAATTTA	1774
LSA1512 to LSA1513	OLS1772 OLS1777	GTTTTTATTTTTAATTGTTTT AAATAGTGAAGATGGTTTAT	1533
LSA1572	OLS1800 OLS1801	TTTTATTAATTGATTTTGTTT TTGATAATTAAGTATTGGTA	722
LSA1579 to LSA1580	OLS1804 OLS1805	TGTAATTAATGTAATATATTTG GTGTATTGTGTATATGTTATTG	2048
LSA1581	OLS1806 OLS1807	TGTTTTATTAGTTAATAGTT GGATAGTTATTTTTTTGGTG	1689
LSA1584 to LSA1585	OLS1808 OLS1809	ATTAGTGGTAATATTATATA GTAAAGGTATTATTAGATTAAT	2168
LSA1640	OLS1721 OLS1722	AATTTTTTTTAATTATTGTATATA TGTTTATGTTAATGGTTTTTTAG	660
LSA1641	OLS1723 OLS1724	TAATTTAATTTTAGAGTAGTGAT TTATATAGTTTATTTATTATGG	520
LSA1642	OLS1725 OLS1850	TGAAATGTAATTAATAATAAA TAGAATAAGTATTTTTTATAGGA	1152
LSA1720	OLS1829 OLS1830	AATTGTGTGTTATTTATTAAATT TTTTATAATGATGGTATATATTGA	1673
LSA1724	MAR23 MAR24	GCGGAGCAACACGAAATTTTA GCCAATCTGATATAACACATC	347
LSA1730	OLS533 OLS1813	TGTAAATGAGTTTTGAAAGATG TGGTTAAGGATAATGTTAAGATA	1202

Gene name Locus_tag	Primer name	Sequence 5' to 3'	PCR product size in bp
LSA1731	OLS1814	TTAATTTATTTTGAATTTGT	1682
	OLS1815	TAATGATGATGTAATAATTG	
LSA1809	OLS1826	TATTAATTTTTTTTAGTAATATT	1226
	OLS1674	TAATGATAAGTTTTGTGAATTAGT	
LSA1874	MAR25	ACAGCCGTTGATAGTTGG	587
	MAR26	GTGACCGTTCATTCCGGA	
<i>SspT</i>	VAR13	CGAGCTTTAGCGATGATTCTT	550
	VAR14	TGCATGTTATTTGGGATATAGG	
<i>SspA to spiA</i>	VAR11	AACAGCAATTACAGGTGGAA	500
	VAR12	CAATTTATCTTCTTGAAAATCGG	
FGP21-0001	OLS1878	ATGAACTATCGATGAGTTGGCAAG	200
	OLS1879	ATATCACCTTCTTGTAATTCTAAA	
<i>DrsB</i>	VAR1	CGCGAATAATATCCTGCAATA	1147
	VAR2	TAATGTTTAGCAGGTCGGCA	
FGP332-0001	HHS1	GGCGCAATCGATAAGGTT	250
	HSS2	CCGTCATCATCTTGGTGC	
FGP332-0002	HSS5	GTGGCACTGCCATGAAAT	300
	HSS6	GCGGTCTATGCGGATATT	
FGP332-0003	HSS9	TGCCAACTCAACAAGCAA	350
	HSS10	CCCTGTGCGAGTGGTAAA	
FGP332-0005	VAR3	CGCCATATAGATGATTAGCCA	850
	VAR4	CATGTATGGCGGAACTTGTAT	
FGP332-0006	VAR5	AGGTGCGAGTAAGGACTGCCA	403
	VAR6	CGTTTTGAACATCTTCATAAGG	
<i>LacC</i>	VAR7	AGAACAATCTCCTGTTAGTCCA	755
	VAR8	CAAAGATTTGCGTTTTCTGTTC	
<i>LacG</i>	VAR9	CGTATTTTCCCAACGGGTTA	1100
	VAR10	AGGATAGCGTTCTTGCCTGT	
FGP332-0007	HSS11	ACAGCTTATACTGATGGCACA	406
	HSS12	TGTTGTGCACTGAAGACAAT	
FGP332-0008	HSS17	GATGACGCCACTAACTGTTTA	465
	HSS18	GTCAAGGAGGCGATTAGAA	
FGP332-0009	HSS23	CCACGTTGGTCAACCG	135
	HSS24	TTGACCTTGTTTTCTGGTT	
FGP332-0010	HSS25	TCAGGAATTAGATGAATATGTGATT	767
	HSS26	TCTTCAACAACCATCTGTAAATC	

Gene name			PCR product
Locus_tag	Primer name	Sequence 5' to 3'	size in bp
FGP332-0011	HSS29	GCTAAATCTTGAAAGCTAACGG	521
	HSS30	TTTATTAGAACAATTGACGACCTT	
FGP332-0012	HSS35	AAGCAATCGTTGTCTCAAAG	562
	HSS36	GCCGGCTGCTAATAATTG	
FGP332-0013	HSS37	CTTGAGATCGATCGGGTT	477
	HSS38	GGACACCATGTGCAGGAT	
FGP332-0014	HSS13	AAAATGGTGGGGCAATATAC	740
	HSS14	GCATCAATTGCTACTTGATCG	
FGP332-0015	HSS19	TGAACAATACGCTGAAATGTG	270
	HSS20	GCATTTTCATCACCCACAGTTA	