

Additional file 5: Primers used in this work.

Primer name		sequence 5' to 3'	Use
SIGRAS1	F	TCTTCACGCTGGACTCGTCAC	qPCR
	R	CCCCTCAAAGGCGAACCA	
SIGRAS2	F	TCCTTGCAGTAATTCCTCGCG	qPCR
	R	TGGCCCCATTAAAGCGGTCTC	
SIGRAS3	F	GGGCACAAACATCAGGTCAGA	qPCR
	R	CAAGGGCAAGTCCTCCATTACA	
SIGRAS4	F	TTAGGCACCCTTCCATTCCA	qPCR
	R	AAGAATCTCCCACTCCAACAACA	

SIGRAS5	F	TGTCGGTGTATGGAGAGGCAAT	qPCR
	R	GCTGGAATAAGTTTGAAGCAACG	
SIGRAS6	F	TGATGTATTTGCTCGTGGCG	qPCR
	R	ATCTGCCGATGTAGACTCCTTCG	
SIGRAS7	F	TCCCGTGTCTGCTTCTTGTC	qPCR
	R	GAGTTCCAACGCTCTCATCAGG	
SIGRAS8	F	ACAAACGCTTTCCAACCTCGC	qPCR
	R	CGTCGGAGGAACTTGAAGAAC	
SIGRAS9	F	CAGCAGCAACAAGGTTTGGG	qPCR
	R	AATCGGGAGAGGATGGCGT	
SIGRAS10	F	GGATGCTACAGTTCCACGAGACA	qPCR
	R	CCACGATTTGACTAACGGGCT	
SIGRAS11	F	TGAAGGTGGCGTTTGTGGT	qPCR
	R	AAGCAACGCACGCCATTG	
SIGRAS12	F	TAATGGCAGCCTTGGAGGTAATC	qPCR
	R	GGTGAGTGGTAAACAGCGTTGC	
SIGRAS13	F	CCCAAGCCCTGACAGCATT	qPCR
	R	GGATGACTCTCCACAGGCAAA	
SIGRAS14	F	ATGATGGTAGCAACTCCCAGGC	qPCR
	R	CGTAGATGGCACAGTCAGTAGCC	
SIGRAS15	F	TTCCACGAACTTGTGCGGT	qPCR
	R	TGGCTGATGATGCGATGTTATG	
SIGRAS16	F	TGAACCGCGTGCAACATCTG	qPCR
	R	GCGGAGTCCATGAGCAGCTA	
SIGRAS17	F	TCCCGAGTTGTCCGAATCG	qPCR
	R	AGATGTCTGTGGTTGTAGTGGGC	
SIGRAS18	F	TGGAATGGGATTTACAAGGCG	qPCR
	R	CCACTGTAAAGGCTCGGAAGC	
SIGRAS19	F	GAGGGGGAAAATGTCGCAGTC	qPCR
	R	CGTCCTTCACGGGCGATAATG	
SIGRAS20	F	GCCGAGACAATCAGCACAGG	qPCR
	R	CAAAGCCCTCCATACTTCCAGC	
SIGRAS21	F	GCAGTTGGAACCTCTTTGATTTCG	qPCR
	R	TTGCCACAACCTCACCAACCTT	
SIGRAS22	F	TGTGAAGCCAGTGGTGGATG	qPCR
	R	CAATCTCCACCACCAAAGTCCA	
SIGRAS23	F	CATCAAGAAGTTCCATTACCCA	qPCR
	R	TTCTCTGCTGCTGCTTGGAT	
SIGRAS24	F	TGGTCCAGACAGGGAATCCG	qPCR
	R	TTCAAGTTGTTGGTGTGGCA	
SIGRAS25	F	TGGGCGTTGATGGTTTCG	qPCR
	R	CATTGACTCTGATGGTGGGCA	
SIGRAS26	F	GAACCAACGCCTAACTTGTGGA	qPCR
	R	AACCCGAACCGATGCCAA	

SIGRAS27	F	CATCAAAGCTGCTCCAGAGGACT	qPCR
	R	GGATTTCAACATCATCATCGTTCG	
SIGRAS28	F	TTCCAGCGTGTAGCGTCCTG	qPCR
	R	GGGTAGCAACATAACCAACCGTG	
SIGRAS29	F	TGTCGGTGTATGGAGAGGCAAT	qPCR
	R	GCTGGAATAAGTTTGAAGCAACG	
SIGRAS30	F	GGAAATGATGGTTCGTGATGGTT	qPCR
	R	CGGGACAGTGCCTGACAAA	
SIGRAS31	F	AGTTTGTCTGCTGTTCAAGCCA	qPCR
	R	TGTTTGATTTGATGTGAGACCAGAG	
SIGRAS32	F	GCTTGGAGCAGTTGTTTCAGCAT	qPCR
	R	TCAAAGTTCGCCGTTGGC	
SIGRAS33	F	CACATCAGATTACACGGAGCCC	qPCR
	R	AAGCAGAAATGGTGACAAGTGGA	
SIGRAS34	F	AGCTATGCTGATATGCTGTG	qPCR
	R	ACTACAGCTTCGTTTCTGAA	
SIGRAS35	F	TTGGGATGCTGACAAGGGA	qPCR
	R	CCTCAACTCTCTGCTGGTCTG	
SIGRAS36	F	CAATGAGGAATCAGATAGCGGG	qPCR
	R	TAGGCTCCCAAAGTGCAGAGTGC	
SIGRAS37	F	TCTCGTTGACGCCGATTCC	qPCR
	R	AGCGAAGTAAGCAGCGACTCG	
SIGRAS38	F	TTGGGAGCCTTGATGGAGC	qPCR
	R	GCCCTAAGGAACCATGATGTGA	
SIGRAS39	F	CCTGTTTCCGATGCCAAGTG	qPCR
	R	CACCATAGGGAGAAGCAAGTTCA	
SIGRAS40	F	TGGTCCACAAGTAATGGCA	qPCR
	R	TCAGCACCTCCAAGTCACAG	
SIGRAS41	F	ATTCGTCTACCGCCATCCTCG	qPCR
	R	TCATCAATACATCCCTGCTCAGC	
SIGRAS42	F	CCGTGAGATTCCAGAAAGACG	qPCR
	R	GCTTGCCACTGCTTGTAGGTC	
SIGRAS43	F	TCGCCACTCGTATGGAAGGG	qPCR
	R	CCCACAAGTGGATGGAAGTCAAA	
SIGRAS44	F	GCAACAACACTTGCAGTGGA	qPCR
	R	CGAATTAATCTGTCCGCTAG	
SIGRAS45	F	GAGGCGATCCAAGATAACAA	qPCR
	R	CTCAAGACTTGATCCTTGGG	
SIGRAS46	F	GCGGGAAGAAACAGTCTGGTAA	qPCR
	R	TCATCAGCAGCAACAGCCTG	
SIGRAS47	F	GAGTTCACATCTTCAATGACCGC	qPCR
	R	CAAATCAACCATCAAAGGAGGC	
SIGRAS48	F	TTGTTACCTTCTCATGGCAG	qPCR
	R	TGGGGACGCTAATTCCTTGAG	

SIGRAS49	F	GGCTGCCTATTTTGCTGATGGA	qPCR
	R	ACTCTTCTTCTTGTGTTGGTGGC	
SIGRAS50	F	CACTAAACGGAGATGCCAACCA	qPCR
	R	TGCGGAACCAGGGACTGAT	
SIGRAS51	F	GCACGAAAGGCTTAGGGATACG	qPCR
	R	TCACGACTTCACACATTGGCA	
SILS	F	CGGTAATCATCAAGCAATCCACA	qPCR
	R	GAAGAGTGGGAGCAGGGTAACG	
SIDELLA	F	GCAAGAAGCGAATCATAACGCA	qPCR
	R	TGAGGAAGAATCCCAGTTGGTG	
SIUBI	F	GCCGACTACAACATCCAGAAGG	qPCR
	R	TGCAACACAGCGAGCTTAACC	
SIGRAS24 GSP1		GAGGCAGTGACCATGACGTTGAATT	5'-RACE for miR171 mapping
SIGRAS24 GSP2		CCCATTGCCCGCCATAACCGATA	5'-RACE for miR171 mapping
SIGRAS40 GSP1		TTGCCTCACACTCAGATGACCTCAA	5'-RACE for miR171 mapping
SIGRAS40 GSP2		GCATAAACGAGGACCATTGAGCACC	5'-RACE for miR171 mapping
