

(a)

Name	Chromosome	Position	Ref base	Cons Base	Read Type	Support	Concordance	Max Quality	Avg hits
Col-NdChr5	25034700	G	C	core_nonrep 3	1	33	1		
Col-NdChr5	25037599	C	T	core_nonrep 4	1	33	1		
Col-NdChr5	25037602	A	G	core_nonrep 4	1	34	1		
Col-NdChr5	25037650	T	A	core_nonrep 7	1	33	1		

(b)

SBP5_25_1	----- CGGAGCTTC	TAA GAAAGCCATAAACTTCATC	31
SBP5_25_2	----- CTCACAGACCGGAGCTTC	TAA GAAAGCCATAAACTTCATC	40
SBP5_25_3	CTCACGGCGGCCACCGCAGCCTCACAGACCGGAGCTTC	TAA GAAAGCCATAAACTTCATC	60

SBP5_25_1	CAATCTTCTTGCAAAACCACCACATACCCAGCCTTATGCGTCCA	75	
SBP5_25_2	CAATCTTCTTGCAATAACCACCACATACCCAGCCTT	----- 75	
SBP5_25_3	CAATCTTCTTGCAA	----- 75	
	***** *		

(c)

Query: 4590	cggagcttc	ccaaaaagccataaacttcatccaatcttcttgc	aaaaccaccacataacc	4649
Sbjct: 1	cggagcttc	ctaagaagccataaacttcatccaatcttcttgc	aaaaccaccacataacc	60
Query: 4650	tgccttatgtgtcca	4664		
Sbjct: 61	agccttatgcgtcca	75		
Query: 4581	ctcacagaccggagcttc	ccaaaaagccataaacttcatccaatcttcttgc	aaaaccac	4640
Sbjct: 1	ctcacagaccggagcttc	ctaagaagccataaacttcatccaatcttcttgc	ataaccac	60
Query: 4641	cacataaccctgcctt	4655		
Sbjct: 61	cacataccagcctt	75		
Query: 4561	ctcacggcggccaccgcagcctcacagaccggagcttc	ccaaaaagccataaacttcatc	4620	
Sbjct: 1	ctcacggcggccaccgcagcctcacagaccggagcttc	ctaagaagccataaacttcatc	60	
Query: 4621	caatcttcttgc	aaa 4635		
Sbjct: 61	caatcttcttgc	aaa 75		