

@r

chr mutant 1 (1 strains)	GACAGGATAATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GATGACTT	200
chr mutant 4 (1 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GATGACTT	200
chr mutant 3 (1 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GATGACTT	200
chr mutant 5 (2 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GATGACTT	200
chr mutant 2 (3 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GATGACTT	200
chr mutant 9 (19 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 10 (1 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 3 (5 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 8 (2 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 7 (6 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 11 (1 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 6 (1 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 2 (1 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 13 (1 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 1 (1 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
chr mutant 12 (1 strains)	GACAGGATATCGACAGTCTATACAGAGTGTACGATAATGGTACTATGTACCCTGTCACTTTCAATGAGTGGTTAAATGATCTAACTGGGATG	GAATGACTT	200
consensus			





khr mutant 1 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 4 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 3 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 5 (2 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 2 (3 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 9 (19 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 10 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 3 (5 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 8 (2 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 7 (6 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 11 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGGCTCCAATTCTTGCCAAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 6 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGCTCAAAATTCTTGCGAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 2 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGCTCAAAATTCTTGCGAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 13 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGCTCAAAATTCTTGCGAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 1 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGCTCAAAATTCTTGCGAGTTGTGAGCGACTGTTTTCAATAA	891
khr mutant 12 (1 strains)	TTCATTTT	CGAAATATAACCCATGGGCTCTTCCATGTCCGAAGGACAAAAGCTCAAAATTCTTGCGAGTTGTGAGCGACTGTTTTCAATAA	891
consensus		*   *     *	