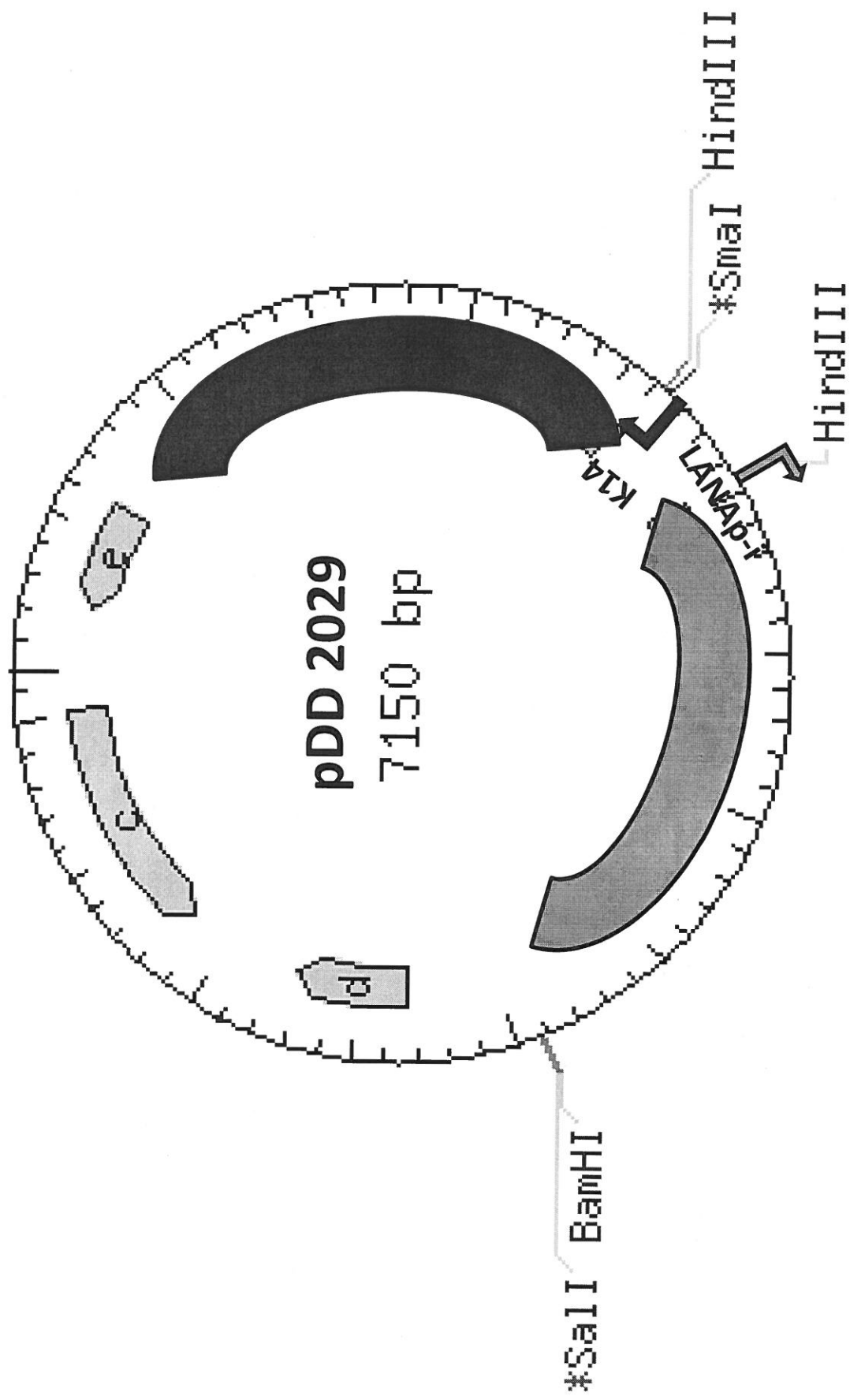




LANapi TATA mutation in 2000 (Bidirectional)

2000pi mutant Red Iso Rev:

Query 100	AGGCAGCTGCGCCACGAAAGCAGTCACGTCCCCAAAGACAGCAGAGCTTGGTCCGGGTGACTT	159
Sbjct 127879		127820
Query 160	ATAACACAGTGAGTAGCGCGCCGCCACCTTGTTCGGCGCGCCCGTAAGGCACCCCTTATCTT	219
Sbjct 127819		127780
Query 220	TGAAATGCTATAAGATGTGTGGGAAATAGTAATATACCCAGGTTACATGATTTGTGTTAAGG	279
Sbjct 127759		127700
Query 280	TGTGTGTGGTTTTTCGAAAAACATGGGTATTATGGCCGTTTCTGTTTCTCAGCCCGGATG	339
Sbjct 127699	T	127640
Query 340	ACGTCTGTGACTTGCCTAGGTAGCATCCATGGSCAACGCCAAGGCCAGCAAAACCCACTATC	399
Sbjct 127639	.TA.A.....T.-	127581
Query 400	AAGCTTG 406	
Sbjct 127580	..C.... 127574	

Green iso

Query 42	CAAGCTTGATAGTGGGTTTGTGCTGGCCTTGGCTTGCCTATGGATGCTACCTAGGCAAGTCCA	101
Sbjct 127574	G..-A.....	127632
Query 102	GAGACGTCAATCCGGCGGTGAGAAACAGAACACGGCCCAATTAACCCATGTTTTTCGAAAACCA	161
Sbjct 127633	..T.TA.A.....	127692
Query 162	CCACACACCTTAACACAAATCATGTATACACCTGGTATTACTATTTCCTCCACACATCTTAG	221
Sbjct 127693		127752
Query 222	CATTTCAAAGATAAGGGTGCCTTAACGGSCCGCCCGAACAAGTGGCGGCGCTACTCAC	281
Sbjct 127753		127812
Query 282	TGTTTATAAGTCAGCCGGACCAAGCTGCTGCTCTTGGGACGTGACTGCTTCGTGGCGCA	341
Sbjct 127813		127872
Query 342	GCTGCCT 348	
Sbjct 127873	 127879	