

**Table 2. *Clostridium tetani* E88 and *Mycobacterium tuberculosis* H37Rv**

NCBI gi numbers		Bit scores		
		BLOSUM-62 matrix	BLOSUM-62 adjusted using background frequencies from:	
<i>C. tetani</i>	<i>M. tuberculosis</i>		Organisms	Sequences
28210292	15610359	60.0	59.5	60.9
28212163	15607860	99.1	108.8	102.3
28212096	15609660	65.9	68.1	69.5
28211234	15608839	68.4	73.8	75.5
28209987	15610383	77.3	76.1	80.0
28210591	15608155	49.7	49.4	57.3
28211797	15610089	55.8	55.3	58.1
28209852	15607379	67.7	67.1	69.1
28210939	15610040	91.0	99.2	97.1
28210228	15610232	64.4	61.4	60.9
28211520	15608567	52.5	53.8	53.3
28211258	15609676	73.3	75.8	77.2
28212030	15610556	60.3	59.8	60.5
28210422	15609180	66.4	69.0	71.9
28211792	15609852	67.7	65.1	70.1
28212200	15608583	49.6	53.0	54.2
28212161	15607863	89.2	101.2	93.3
28209999	15610717	95.0	98.3	99.8
28209970	15610761	79.2	84.4	80.1
28210011	15608149	58.4	60.7	60.8
28210095	15609720	41.1	44.1	44.8
28211626	15609554	69.3	72.4	73.4
28211852	15608236	86.4	85.3	89.9
28212101	15609844	47.4	40.7	46.3
28212078	15607623	88.1	90.0	89.9
28211879	15609829	48.9	41.1	51.2
28210107	15611051	51.5	53.1	53.0
28210321	15608225	81.5	82.5	86.7
28210952	15610018	88.1	88.0	89.9
28210914	15610364	84.1	89.1	88.4
28211381	15608764	83.4	88.9	84.2
28209882	15609974	64.7	67.8	64.2
28211512	15608676	72.7	74.9	74.8
28210029	15607833	66.6	60.8	67.4
28209843	15610335	51.7	53.3	51.9
28210521	15608292	55.5	53.9	55.1
28209938	15607547	52.1	50.0	49.3
28209917	15607666	61.1	60.8	60.8
28211180	15607361	89.1	91.7	94.0
28210077	15608090	58.7	58.6	59.0

Reference organism: *Bacillus subtilis* subsp. *subtilis* str. 168.