

Additional File 8. High Potential For Bioengineering

Phylogeny	NCBI Name	Threat List Name or Synonym	Accession	
Bacteria	Alphaproteobacteria	<i>Brucella melitensis</i>	<i>Brucella</i> spp. NC_003317 NC_003318	
		<i>Brucella melitensis</i> biovar Abortus	<i>Brucella</i> spp. NC_004310 NC_004311	
		<i>Brucella melitensis</i> biovar Suis	<i>Brucella</i> spp. NZ_AADJ01000001	
		<i>Rickettsia rickettsii</i>		
	Betaproteobacteria	<i>Burkholderia mallei</i>		NC_002970*
		<i>Burkholderia pseudomallei</i>		NC_002930* http://www.sanger.ac.uk/Projects/B_pseudomallei/
	Gammaproteobacteria	<i>Coxiella burnetii</i>		NC_002971
		<i>Escherichia coli</i>		NC_004431 NC_000913
		<i>Francisella tularensis</i>		
		<i>Vibrio cholerae</i>		NC_002505 NC_002506
		<i>Yersinia pseudotuberculosis</i>		
		<i>Yersinia pestis</i>		NC_003143 NC_004088
	Firmicutes	<i>Bacillus anthracis</i>		NC_003997 NC_003995*
		<i>Staphylococcus aureus</i>		NC_002745 NC_002758 NC_003923
	Spirochaetes	<i>Borrelia burgdorferi</i>		NC_001318
	DNA Virus	Parvoviridae	Adeno-associated virus 1	NC_002077
			Adeno-associated virus 2	NC_001401
			Adeno-associated virus 2H	
Adeno-associated virus 3			NC_001729	
Adeno-associated virus 3B			NC_001863	
Adeno-associated virus 4			NC_001829	
Adeno-associated virus 5				
Adeno-associated virus 6			NC_001862	
Adeno-associated virus 7				
Adeno-associated virus 8				
Adeno-associated virus 9				
Adeno-associated virus 10				
Adeno-associated virus 11				
Adeno-associated virus 12				
Poxviridae		Aracatuba virus		
		BeAn 58058 virus		
		Buffalopox virus		
		Camelpox virus		NC_003391
		Cantagalo orthopoxvirus		
		Cowpox virus		NC_003663
		Dolphin poxvirus 1		
		Ectromelia virus		NC_004105
		Elephantpox virus		
		Monkeypox virus		NC_003310
		Rabbitpox virus		
		Skunkpox virus		
		SPAN 232 virus		
		Steller sea lion poxvirus		
		Taterapox virus		
		Vaccinia virus		NC_001559
		Variola major virus		NC_001611
		Variola minor virus		
		Volepox virus		
	- Strand RNA Virus	Arenaviridae	Junin virus	NC_005080 NC_005081
			Lassa virus	NC_004296 NC_004297
Bunyviridae		California encephalitis virus		
		Sin Nombre virus	NC_005217 NC_005215 NC_005216	
Filoviridae		Ivory Coast ebolavirus		
		Lake Victoria marburgvirus	NC_001608	
		Reston ebolavirus	NC_004161	
		Sudan ebolavirus		
Zaire ebolavirus		NC_002549		
Orthomyxoviridae		Influenza A virus	NC_004905 NC_004518 NC_002016	
		Influenza B virus	NC_004791 NC_004784 NC_002204	
		Influenza C virus		
+ Strand RNA Virus	Coronaviridae	SARS Coronavirus	NC_004718	
	Flaviviridae	Dengue virus		
		Dengue virus type 1		
		Dengue virus type 2	NC_001474	
		Dengue virus type 3		
		Dengue virus type 4		
		Japanese encephalitis virus	NC_001437	
		Tick-borne encephalitis virus	NC_001672	
		West Nile virus	NC_001563	
		Yellow fever virus	NC_002031	
		Togaviridae	Eastern equine encephalitis virus	NC_003899
			Venezuelan equine encephalitis virus	NC_001449
			Western equine encephalomyelitis virus	NC_003908