Additional File 10. USDA High Consequence Pathogens

Phylogeny		*NCBI Name*	Threat List Name or Synonym	Host	Accession
Prion		*Bovine spongiform encephalopathy prion*	*Bovine spongiform encephalopathy agent*	A	S55629
Fungi	Ascomycota	*Coccidioides immitis*		A	
	Basidiomycota	*Phakopsora pachyrhizi*		P	
	Chytridiomycota	-----	*Synchytrium endobioticum*	P	
Eukaryota	Oomycetes	-----	*Peronosclerospora philippinensis*	P	
		-----	*Sclerophthora rayssiae var. zeae*	P	
Bacteria	Alphaproteobacteria	*Brucella melitensis*		A	NC_003317 NC_003318
		Brucella melitensis biovar Abortus	*Brucella abortus*	A	
		Brucella melitensis biovar Suis	*Brucella suis*	A	NC_004310 NC_004311
		Candidatus Liberibacter africanus	*Liberobacter africanus*	P	
		Candidatus Liberibacter asiaticus	*Liberobacter asiaticus*	P	
		Ehrlichia ruminantium	*Cowdria ruminantium*	A	
	Betaproteobacteria	*Burkholderia mallei*		A	NC_002970*
		Burkholderia pseudomallei		A	NC_002930* http://www.sanger.ac.uk/Projects/B_pseudomallei/
		Ralstonia solanacearum	(race 3, biovar 2)	P	
	Gammaproteobacteria	*Coxiella burnetii*		A	NC_002971
		Francisella tularensis		A	
		Xanthomonas oryzae pv. oryzicola		P	
		Xylella fastidiosa	(citrus variegated chlorosis strain)	P	NC_002488 NC_004556
	Firmicutes	*Bacillus anthracis*		A	NC_003997 NC_003995* NC_004352* NC_002925* NC_004126*
		Clostridium botulinum	Botulinum neurotoxin producing species of *Clostridium* [146]	A	NC_003223* http://www.sanger.ac.uk/Projects/C_botulinum/
		Clostridium baratii	Botulinum neurotoxin producing species of *Clostridium* [146]	A	
		Clostridium butyricum	Botulinum neurotoxin producing species of *Clostridium* [146]	A	
		Mycoplasma capricolum subsp. capripneumoniae		A	
		Mycoplasma mycoides		A	
DNA Virus	*Asfarviridae*	*African swine fever virus*		A	NC_001659
	Herpesviridae	*Alcelaphine herpesvirus 1*	Malignant catarrhal fever virus (exotic)	A	NC_002531
	Poxviridae	*Camelpox virus*		A	NC_003391
		Goatpox virus		A	NC_004003
		Lumpy skin disease virus		A	NC_003027
		Sheeppox virus		A	NC_004002
- Strand RNA Virus	*Bunyaviridae*	*Akabane virus*		A	
		Rift Valley fever virus		A	NC_002043 NC_002044 NC_002045
	Orthomyxoviridae	*Avian influenza virus*	(highly pathogenic) (H5N1)	A	
	Paramyxoviridae	*Hendra virus*		A	NC_001906
		Menangle virus		A	
		Newcastle disease virus	*Newcastle disease virus (VVND)*	A	
		Nipah virus		A	NC_002728
		Peste-des-petits-ruminants virus		A	
		Rinderpest virus		A	
	Rhabdoviridae	*Vesicular stomatitis virus*	(exotic)	A	NC_001560
+ Strand RNA Virus	*Flaviviridae*	*Classical swine fever virus*		A	NC_002657
		Japanese encephalitis virus		A	NC_001437
	Picornaviridae	*Foot-and-mouth disease virus*		A	NC_002554 NC_003992 NC_004004 NC_004915
		Swine vesicular disease virus		A	
	Potyviridae	*Plum pox virus*		P	NC_001445
	Togaviridae	*Eastern equine encephalitis virus*		A	NC_003899
		Venezuelan equine encephalitis virus		A	NC_001449
dsRNA Virus	*Reoviridae*	*African horse sickness virus*		A	
		Bluetongue virus	(exotic)	A	
Toxin (protein)	Bacteria, Low G+C gram positive, Clostridia	*Botulinum toxin*		A	AF488749 AB088207 AB082519
		Clostridium perfringens epsilon toxin		A	M95206 M80837
	Bacteria, Low G+C gram positive, Bacilli	*Staphylococcal enterotoxin B*		A	M11118
	Bacteria, gammaproteobactera	*Shigatoxin*		A	AB035142 AB035143 AF461169 AF461170
Toxin (small molecule)	Fungi, ascomycota	*T-2 toxin*		A	