Table 4: Details for genome analyses in lieu of EBI Pipeline

Data	Program	Parameters or VEuPathDB GitHub repository	Version
BLAT against	BLAT	-nohead	35
NRDB		-maxIntron=1000	
		-t=dnax	
		-q=prot	
		-dots=10	
		-minScore=25	
		-minIdentity=20	
Computed	orfFinder	minPepLength 50	
Open Reading		https://github.com/VEuPathDB//orfFinder	
Frames			
DNA Repeat	Tandem	2 7 7 80 20 50 500	4.04
regions	Repeats		
	Finder		
EST alignments	BLAT	-nohead	35
		-maxIntron=1000	
		-t=dna	
		-q=dna	
		-dots=10	
Signal peptide	SignalP	-t euk	3.0
predictions		-f short	
		-m nn+hmm	
		-q	
		-trunc 70	
Synteny	Mercator	-p <path directory="" mercator="" to=""></path>	Mercator
	and	-t <tree string=""></tree>	mapmaker 0.4
	MAVID	-m <mavid_exe></mavid_exe>	(2016-01-21)
		-c <cndsrc_dir></cndsrc_dir>	
		-d draftGenome1	Mavid Version
		-d draftGemoneN	2.0.4
		-n nonDraftGeome1	
		-n nonDraftGenomeN	
		-r referenceGenome	
		https://github.com/VEuPathDB//runMercator	
Transmembrane	TMHMM	Nice	2.0c
domain		-short	
prediction			