

Table S1 – Values selected by VelvetOptimiser for each assembly

Sample	K size	Coverage cutoff
L1_s1	35	4.975670515
L2_s1	35	1.043965089
L3_s1	37	2.266179302
N1_s1	35	1.266947923
N1_s2	37	1.043965089
N1_s3	39	1.043965089
N1_s4	41	2.832724128
N1_s5	43	3.934348213
N2_s1	33	1.266947923
N2_s2	35	1.266947923
N2_s3	37	1.043965089
N2_s4	39	1.043965089
N2_s5	39	1.043965089