

**Supplemental table 3.** Positively selected sites and omega values for the Jeju LOM strains.

Group	Strains	Homology nt/aa (%)	Omega value	Positively selected sites (aa position) (*P>95%; **P>99%)	
				NEB <sup>a</sup>	BEB <sup>b</sup>
Jeju LOM strains (2004–2007)	JJ04LOM-Tamra01	98.8–99.2/ 99.2–99.4	0.14088	-	237, 259, 577, 2464
	JJ05LOM-KSM01				
	JJ06LOM-JSY01				
	JJ07LOM-JSM01				
	JJ07LOM-JSG02				
Jeju LOM strains (2014–2018)	JJ14LOM-WSH01	98.2–99.4 /99.1–99.6	0.16196	**564	173, 176, 386, 564, 1337, 2676, 2988, 3605
	JJ16LOM-YYM02				
	JJ16LOM-WSH03				
	JJ16LOM-YJK08				
	JJ17LOM-PYS03				
	JJ17LOM-KJS09				
	JJ17LOM-CCJ04				
	JJ17LOM-SJM06				
	JJ17LOM-IGS07				
	JJ17LOM-IGS08				
	JJ17LOM-LHH10				
	JJ17LOM-JSJ12				
	JJ17LOM-HSJ13				
	JJ18LOM-KGS01				
	JJ18LOM-KYN02				
	JJ18LOM-PIC03				

<sup>a</sup> Naive Empirical Bayes (NEB) analysis; <sup>b</sup> Bayes Empirical Bayes (BEB) analysis.