

**Supplementary Table S1.** Scoring criteria for the subjective assessment of microscopic changes in lung and nasal cavity of hamsters infected with SARS-CoV-2.

Location	Lesion	Score 0 (normal)	Score 1 (minimal)	Score 2 (mild)	Score 3 (moderate)	Score 4 (marked)
Lung	Airway epithelial degeneration/necrosis and/or inflammatory cell infiltration with or without exudates	None	Occasional (1 or 2) airways affected; <b>up to 5% of slide affected</b>	Present in multiple airways; <b>up to 25% of airways affected</b>	Present in multiple airways; <b>between 26–50% of airways affected</b>	Present in multiple airways; <b>over 50% of airways affected</b>
	Peri-airway inflammatory infiltrates (cuffing)	None	Occasional incomplete, or loosely formed cuffs; <b>up to 5% of slide affected</b>	Numerous cuffs; predominantly incomplete and loosely formed with lesser well-formed complete cuffs; <b>up to 25% of airways affected</b>	Numerous cuffs; approximately half or more well-formed, and may have few broad, dense cuffs; <b>between 26–50% of airways affected</b>	Numerous cuffs; predominantly well-formed with numerous broad, dense cuffs; <b>over 50% of airways affected</b>
	Perivascular inflammatory infiltrates (cuffing)	None	Occasional incomplete, or loosely formed cuffs; <b>up to 5% of slide affected</b>	Numerous cuffs; predominantly incomplete and loosely formed with lesser well-formed complete cuffs; <b>up to 25% of vessels affected</b>	Numerous cuffs; increased numbers are well-formed, and may have few broad, dense cuffs; <b>between 26–50% of vessels affected</b>	Numerous cuffs; predominantly well-formed with numerous broad, dense cuffs; <b>over 50% of vessels affected</b>
	Alveolar walls/space infiltration by inflammatory cells, primarily neutrophils and macrophages; variable oedema/fibrin +/- type II pneumocyte hyperplasia	None	Small numbers of foci affected within the parenchyma; <b>up to 5% of slide affected</b>	Increased frequency of foci; <b>between 6–25% of the slide affected</b>	Multifocal coalescing or larger patches of parenchyma; <b>between 26–50% of the slide affected</b>	Large areas of parenchyma; <b>over 50% of the slide affected</b>
Nasal cavity	Epithelial attenuation/ and necrosis in the mucosa	None	Occasional epithelial cell degeneration; <b>up to 5% of slide affected</b>	Multifocal epithelial cell degeneration/necrosis; <b>between 6–25% of the slide affected</b>	Multifocal, sometime coalescing areas of epithelial cell degeneration/; <b>between 26–50% of the slide affected</b>	Multifocally extensive to coalescing areas of epithelial cell degeneration/necrosis; <b>over 50% of the slide affected</b>
	Presence of exudates within the nasal cavity lumen	None	Minimal presence of inflammatory cells; <b>up to 5% of slide affected</b>	Mild exudation of degenerate epithelial and inflammatory cells; <b>between 6–25% of the slide affected</b>	Moderate exudation of degenerate epithelial and inflammatory cells; <b>between 26–50% of the slide affected</b>	Marked/severe exudation of degenerate epithelial and inflammatory cells; <b>over 50% of the slide affected</b>