

Protein Similarity of the SARS-CoV and Sars-CoV2 genes.

Protein SARS1	AS	Protein SARS2	AS	Similarity [%]
NP_828860.2 nsp1	180	YP_009725297.1 <u>leader_protein</u>	180	84,40
NP_828861.2 nsp2	638	YP_009725298.1 nsp2	638	68,34
NP_828862.2 <u>nsp3</u>	1922	YP_009725299.1 <u>nsp3</u>	1945	75,97
NP_904322.1 nsp4	500	YP_009725300.1 nsp4	500	80,00
NP_828864.1 nsp6	290	YP_009725302.1 nsp6	290	88,15
NP_828865.1 <u>nsp7</u>	83	YP_009725303.1 <u>nsp7</u>	83	98,80
NP_828866.1 <u>nsp8</u>	198	YP_009725304.1 <u>nsp8</u>	198	97,47
NP_828867.1 <u>nsp9</u>	113	YP_009725305.1 <u>nsp9</u>	113	97,35
NP_828868.1 <u>nsp10</u>	139	YP_009725306.1 <u>nsp10</u>	139	97,12
NP_904321.1 nsp11	13	YP_009725312.1 nsp11	13	84,62
NP_828870.1 nsp13	601	YP_009725308.1 <u>helicase</u>	601	99,83
NP_828873.2 nsp16	298	YP_009725311.1 <u>methyltransferase</u>	298	93,29
NP_828863.1 <u>3c_like_proteinase</u>	306	YP_009725301.1 <u>3c-like_proteinase</u>	306	96,08
NP_828872.1 <u>endornase</u>	346	YP_009725310.1 <u>endornase</u>	346	88,73
NP_828871.1 <u>exonuclease</u>	527	YP_009725309.1 <u>exonuclease</u>	527	95,07
NP_828869.1 <u>rna_polymerase</u>	932	YP_009725307.1 <u>rna_polymerase</u>	932	96,35
NP_828855.1 matrix protein	221	YP_009724393.1 membrane_glycoprotein	222	90,54
NP_828858.1 <u>nucleocapsid_protein</u>	422	YP_009724397.2 <u>nucleocapsid_protein</u>	419	90,52
NP_828851.1 <u>surface_glycoprotein</u>	1255	YP_009724390.1 <u>surface_glycoprotein</u>	1273	75,96
NP_828854.1 <u>protein_e</u>	76	YP_009724392.1 <u>protein_e</u>	75	94,74
NP_828857.1 <u>hypothetical_protein_sars7a</u>	122			
NP_849177.1 hypothetical protein sars8b	84			
NP_849176.1 hypothetical protein sars8a	39			
NP_849175.1 hypothetical protein sars7b	44			
NP_828852.2 hypothetical protein sars3a	221			
		YP_009724391.1 ORF3a protein	275	

„<protein>“ are proteins which have PDB Structures in the repository, underscored ist the name we used in the repo.

Gene reference for CoV: NC_004718.3
Gene reference for CoV2: NC_045512.2