

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

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