2019 Wuhan Pneumonia Virus Genome Analysis & Symptom Prediction (2019-nCoV/USA-WA1/2020, 2019-nCoV/USA-AZ1/2020, 2019-nCoV/USA-CA2/2020) @Rivermap Research & Consulting LLC

This Symptom Prediction Report is created based on the HUE Charts generated by GENEIDO 0.9.

If you should have any question, please feel free to contact us at: info@rivermapsolution.com or LINE/WhatsApp @Rivermap LLC

Report Generation Date:	January 30, 2020
Report deliciation bate.	3411441 y 30, 2020

Sequence Received (Date/Time): January 30, 2020/3:07pm

Report Generated/Revised By: Mai Wang

Software Version: GENEIDO 0.9

Pathogen: 2019 Wuhan Pneumonia Virus (2019-nCoV) in USA

DNA sequence: 2019-nCoV/USA-WA1/2020, 2019-nCoV/USA-AZ1/2020, 2019-nCoV/USA-CA2/2020

Source: NCBI Reference Sequence: MN985325.1, MN997409.1, MN994468.1

https://www.ncbi.nlm.nih.gov/nuccore/MN985325.1?report=fasta

https://www.ncbi.nlm.nih.gov/nuccore/MN997409.1?report=fasta

https://www.ncbi.nlm.nih.gov/nuccore/MN994468.1?report=fasta

Comment: These 3 sequences submitted from US and MN908947.3 (submitted on Jan 17, 2020 from China) have exactly the

same HUE Charts indicates that they have the same sequence.

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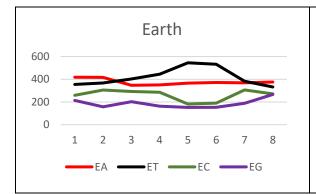
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HUE Charts of Complete Genome	Symptoms Predicted
Heaven	 Fever and chill, mainly chill Loss of CNS and brain functions, may lead to coma Headache Cough
0 1 2 3 4 5 6 7 8 HA —HT —HC —HG	• Sweating
Human 600	 Fever, rash May have lesion and bleeding underneath skin Flaccid paralysis
400	 Dehydration of muscle and joint causing pain follow by short—term muscle weakness May see myocarditis Unstable blood pressure
1 2 3 4 5 6 7 8	 Increase of RBC WBC increase then fluctuate
——UA ——UT ——UC ——UG	 May see fatigue, shortness of breath, sweating (not permanent) Cough with phlegm May have bloody diarrhea Possible SHOCK

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- Kidney problem
- Increase in steroid hormone which may lead to bone loss, miscarriage, and prostate problem
- Decrease or failure pf spleen and pancreatic functions
- Lung edema
- Water retention