

1 10 20 30 40 50 60

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A/chicken/Germany/"Taucha"/1979 AATGCCCCAGATATGTGAAACAAGAGAGCCTGCTACTGGCAACAGGGATGAAGAACGTTC

 A/Chicken/Germany/AR1385/2015 AATGTCCGAGATATGTTAAGCAGGAGAGTCTGATGCTAGCAACCGGAATGAAAAACGTTC

 A/chicken/Germany/AR1413/2015 TATGTCCGAGATATGTTAAGCAGGAGAGTCTGATGCTAGCAACCGGAATGAAAAACGTTC

A/chicken/Germany/AR1488/1/2015 TATGTCCGAGATATGTTAAGCAGGAGAGTCTGATGCTAGCAACCGGAATGAAAAACGTTC

A/environmen/Germany/AR1536/2015 TATGTCCGAGATATGTTAAGCAGGAGAGTCTGATGCTAGCAACCGGAATGAAAAACGTTC

A/environment/Germany/AR1537/2015 TATGTCCGAGATATGTTAAGCAGGAGAGTCTGATGCTAGCAACCGGAATGAAAAACGTTC

A/environment/Germany/AR1539/2015 TATGTCCGAGATATGTTAAGCAGGAGAGTCTGATGCTAGCAACCGGAATGAAAAACGTTC

A/environment/Germany/AR1540/2015 TATGTCCGAGATATGTTAAGCAGGAGAGTCTGATGCTAGCAACCGGAATGAAAAACGTTC

A/environment/Germany/AR1541/2015 TATGTCCGAGATATGTTAAGCAGGAGAGTCTGATGCTAGCAACCGGAATGAAAAACGTTC

A/environment/Germany/AR1546/2015 TATGTCCGAGATATGTTAAGCAGGAGAGTCTGATGCTAGCAACCGGAATGAAAAACGTTC

61 70 80 90 100 110 120

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A/chicken/Germany/"Taucha"/1979 CTGAAATCCCAAAAAAGAAAAAGAAAAAGAGAGGCCTATTTGGTGCCATAGCGGGTTTTA

 A/Chicken/Germany/AR1385/2015 CTGAAATCCCA-----AAGAGAAAGAGAAGAGGCCTATTTGGTGCTATAGCGGGATTCA

 A/chicken/Germany/AR1413/2015 CTGAAATCCCA-----AAGAGAAAGAGAAGAGGCCTATTTGGTGCTATAGCGGGATTCA

A/chicken/Germany/AR1488/1/2015 CTGAAATCCCA-----AAGAGAAAGAGAAGAGGCCTATTTGGTGCTATAGCGGGATTCA

A/environmen/Germany/AR1536/2015 CTGAAATCCCA-----AAGAGAAAGAGAAGAGGCCTATTTGGTGCTATAGCGGGATTCA

A/environment/Germany/AR1537/2015 CTGAAATCCCA-----AAGAGAAAGAGAAGAGGCCTATTTGGTGCTATAGCGGGATTCA

A/environment/Germany/AR1539/2015 CTGAAATCCCA-----AAGAGAAAGAGAAGAGGCCTATTTGGTGCTATAGCGGGATTCA

A/environment/Germany/AR1540/2015 CTGAAATCCCA-----AAGAGAAAGAGAAGAGGCCTATTTGGTGCTATAGCGGGATTCA

A/environment/Germany/AR1541/2015 CTGAAATCCCA-----AAGAGAAAGAGAAGAGGCCTATTTGGTGCTATAGCGGGATTCA

A/environment/Germany/AR1546/2015 CTGAAATCCCA-----AAGAGAAAGAGAAGAGGCCTATTTGGTGCTATAGCGGGATTCA

121 130 140 150 160

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A/chicken/Germany/"Taucha"/1979 TTGAAAATGGGTGGGAAGGTCTGATTGA-----

 A/Chicken/Germany/AR1385/2015 TTGAAAATGGATGGGAAGGCCTGATTGACGGATGGTATGGCTT

 A/chicken/Germany/AR1413/2015 TTGAAAATGGATGGGAAGGCCTGATTGACGGATGGTAGGCTCA

A/chicken/Germany/AR1488/1/2015 TTGAAAATGGATGGGAAGGCCTGATTGACGGATGGTAGGCTCA

A/environmen/Germany/AR1536/2015 TTGAAAATGGATGGGAAGGCCTGATTGACGGATGGTAGGCTCA

A/environment/Germany/AR1537/2015 TTGAAAATGGATGGGAAGGCCTGATTGACGGATGGTAGGCTCA

A/environment/Germany/AR1539/2015 TTGAAAATGGATGGGAAGGCCTGATTGACGGATGGTAGGCTCA

A/environment/Germany/AR1540/2015 TTGAAAATGGATGGGAAGGCCTGATTGACGGATGGTAGGCTCA

A/environment/Germany/AR1541/2015 TTGAAAATGGATGGGAAGGCCTGATTGACGGATGGTAGGCTCA

A/environment/Germany/AR1546/2015 TTGAAAATGGATGGGAAGGCCTGATTGACGGATGGTAGGCTCA

HPAI H7
Emsland probe