

4339 4403  
| |  
MVs/Madrid.ESP/28.18 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Pontevedra.ESP/02.20 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Guadalajara.ESP/25.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Lugo.ESP/20.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Madrid.ESP/22.19/3 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Madrid.ESP/18.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Valencia.ESP/17.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Guadalajara.ESP/15.19/3 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Huesca.ESP/26.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/SantaCruz.ESP/11.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Valencia.ESP/10.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Valencia.ESP/12.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Valencia.ESP/5.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Madrid.ESP/15.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA  
MVs/Burgos.ESP/1.19 ACCGCAGTGCCAGCAATGCCGAAAACGACCCCCGCATAATGACAGCCAAAAGGCCGGACAA

4534 4598  
| |  
MVs/Madrid.ESP/28.18 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Pontevedra.ESP/02.20 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Guadalajara.ESP/25.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Lugo.ESP/20.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Madrid.ESP/22.19/3 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Madrid.ESP/18.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Valencia.ESP/17.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Guadalajara.ESP/15.19/3 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Huesca.ESP/26.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/SantaCruz.ESP/11.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Valencia.ESP/10.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Valencia.ESP/12.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Valencia.ESP/5.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Madrid.ESP/15.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG  
MVs/Burgos.ESP/1.19 AGTCCTCCTCGTGGGACCCCCGAGGACCAACCCCCAAGGTCGCCCCGACCCAGACCACCAACCG

4599 4663  
| |  
MVs/Madrid.ESP/28.18 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Pontevedra.ESP/02.20 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Guadalajara.ESP/25.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Lugo.ESP/20.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Madrid.ESP/22.19/3 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Madrid.ESP/18.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Valencia.ESP/17.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Guadalajara.ESP/15.19/3 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Huesca.ESP/26.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/SantaCruz.ESP/11.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Valencia.ESP/10.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Valencia.ESP/12.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Valencia.ESP/5.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Madrid.ESP/15.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC  
MVs/Burgos.ESP/1.19 TATCCCCATAGCCCCGGGAAAGAAACCCCCAGCAACTGGAAGGTCCCTCCCCTCCCTCAAC

4794 4858

MVs/Madrid.ESP/28.18 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Pontevedra.ESP/02.20 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Guadalajara.ESP/25.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Lugo.ESP/20.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Madrid.ESP/22.19/3 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Madrid.ESP/18.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Valencia.ESP/17.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Guadalajara.ESP/15.19/3 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Huesca.ESP/26.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/SantaCruz.ESP/11.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Valencia.ESP/10.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Valencia.ESP/12.19 AGAAC T CAGACCCCGGCCACGACGCCGCGCCCCATCCC TCGACA ACCAGAGAGAGCCCCAAC

MVs/Valencia.ESP/5.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Madrid.ESP/15.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

MVs/Burgos.ESP/1.19 AGAAC CCAGACCCCGGCCACGACGCCGCGCCCCATCCC CGACA ACCAGAGAGAGCCCCAAC

4859 4923

MVs/Madrid.ESP/28.18 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Pontevedra.ESP/02.20 CAG CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Guadalajara.ESP/25.19 CA A CCCGCCGG T C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Lugo.ESP/20.19 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Madrid.ESP/22.19/3 CA A CCCGCCGG C A CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Madrid.ESP/18.19 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Valencia.ESP/17.19 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Guadalajara.ESP/15.19/3 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Huesca.ESP/26.19 CAG CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/SantaCruz.ESP/11.19 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Valencia.ESP/10.19 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Valencia.ESP/12.19 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Valencia.ESP/5.19 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Madrid.ESP/15.19 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

MVs/Burgos.ESP/1.19 CA A CCCGCCGG C C CCCGGCGCCACAGGCAGGCACACCAACCCCCGAACAGACCCGGCACCC

4924 4988

MVs/Madrid.ESP/28.18 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Pontevedra.ESP/02.20 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Guadalajara.ESP/25.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Lugo.ESP/20.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Madrid.ESP/22.19/3 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Madrid.ESP/18.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Valencia.ESP/17.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Guadalajara.ESP/15.19/3 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Huesca.ESP/26.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/SantaCruz.ESP/11.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Valencia.ESP/10.19 AGCCACCGACAGTCCAAGACGGGGGG T C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Valencia.ESP/12.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Valencia.ESP/5.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Madrid.ESP/15.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

MVs/Burgos.ESP/1.19 AGCCACCGACAGTCCAAGACGGGGGG C C C C C C C C A A A A A A A A G G C C C C C A G G G G C C G A C A G C C A G C

4989 5053

MVs/Madrid.ESP/28.18 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Pontevedra.ESP/02.20 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC TAGACCACCCT

MVs/Guadalajara.ESP/25.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Lugo.ESP/20.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Madrid.ESP/22.19/3 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Madrid.ESP/18.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Valencia.ESP/17.19 AC AGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Guadalajara.ESP/15.19/3 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Huesca.ESP/26.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC TAGACCACCCT

MVs/SantaCruz.ESP/11.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Valencia.ESP/10.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Valencia.ESP/12.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Valencia.ESP/5.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Madrid.ESP/15.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

MVs/Burgos.ESP/1.19 AC CGCAAGGAAGCCCACCCACCCACACACGACCACGGCAACCGAACCAGAATC CAGACCACCCT

5054 5118

MVs/Madrid.ESP/28.18 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Pontevedra.ESP/02.20 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Guadalajara.ESP/25.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Lugo.ESP/20.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Madrid.ESP/22.19/3 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Madrid.ESP/18.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Valencia.ESP/17.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Guadalajara.ESP/15.19/3 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Huesca.ESP/26.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/SantaCruz.ESP/11.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Valencia.ESP/10.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Valencia.ESP/12.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Valencia.ESP/5.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Madrid.ESP/15.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

MVs/Burgos.ESP/1.19 GGGCCACCAGCTCCCAGATTTCGGCCACCACCCCGCAGAAAGGAAAGGCCACAATCCCGCACACCCC

5249 5263 5314 5350

MVs/Madrid.ESP/28.18 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Pontevedra.ESP/02.20 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Guadalajara.ESP/25.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCGGTGTCCATC

MVs/Lugo.ESP/20.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCGGTGTCCATC

MVs/Madrid.ESP/22.19/3 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Madrid.ESP/18.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Valencia.ESP/17.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Guadalajara.ESP/15.19/3 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Huesca.ESP/26.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/SantaCruz.ESP/11.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Valencia.ESP/10.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Valencia.ESP/12.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Valencia.ESP/5.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Madrid.ESP/15.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC

MVs/Burgos.ESP/1.19 AAGGGACCAAAAGAT CGAGAATCCCAGAATCAAGACTCATCCAGTGTCCATC