CHCC15289\_ermD\_variant\_2 ---------------------------------------------CAGCCGTTGACGTTT

CHCC20495\_ermD\_variant\_2 -------------------------------------GAAAATTCCAGCCGTTGACGTTT

CHCC20375\_ermD\_variant\_outlier --------------------------------------------CCAGCCGTTGACGTTT

CHCC20348\_ermD\_variant\_1.2.1 --------TGGCCTCCTGCGATATTCGTAAGGGACGAGAAAATTCCAGCCGTTGACGTTT

CHCC5025\_ermD\_variant\_1.2.1 TTGCCTGATGGCCTCCTGCGATATTCGTAAGGGACGAGAAAATTCCAGCTGTTGACGTTT

CHCC5021\_ermD\_variant\_1.1 ---------------------------TAAG-GAGAAGAAAATTCCAGCCGTTGACGTTT

CHCC20491\_ermD\_variant\_1.1 --------------------------------------------------------GTTT

CHCC4186\_ermD\_variant\_1.2.2 --------------------------------------AAAATTCCAGACGTTGACGTTT

CHCC5019\_ermD\_variant\_1.2.2 ------------------------TCGTAAG-GAGAAGAAAATTCCAGACGTTGACGTTT

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CHCC15289\_ermD\_variant\_2 TCCAAAGAATGCCCTACAATGAGATCGTAACTCTAACTTTTCAGGAGGATTATTAAAAAA

CHCC20495\_ermD\_variant\_2 TCCAAAGAATGCCCTACAATGAGATCGTAACTCTAACTTTTCAGGAGGATTATTAAAAAA

CHCC20375\_ermD\_variant\_outlier TCCAAAGAATACCCTACAATGAGATCGTAACTTTAACTTTTCAGGAGGATTATTAAAAAA

CHCC20348\_ermD\_variant\_1.2.1 TCCAAAGAATGCCCTACAATGAGATCGTAACTTTAACTTTTCAGGAGGATTATTAAAAAA

CHCC5025\_ermD\_variant\_1.2.1 TCCAAAGAATGCCCTACAATGAGATCGTAACTTTAACTTTTCAGGAGGATTATTAAAAAA

CHCC5021\_ermD\_variant\_1.1 TCCAAAGAATGCCCTACAATGAGATCGTAACTTTAACTTTTCAGGAGGATTATTAAAAAA

CHCC20491\_ermD\_variant\_1.1 TCCAAAGAATGCCCTACAATGAGATCGTAACTTTAACTTTTCAGGAGGATTATTAAAAAA

CHCC4186\_ermD\_variant\_1.2.2 TCCAAAGAATGCCCTACAATGAGATCGTAACTTTAACTTTTCAGGAGGATTATTAAAAAA

CHCC5019\_ermD\_variant\_1.2.2 TCCAAAGAATGCCCTACAATGAGATCGTAACTTTAACTTTTCAGGAGGATTATTAAAAAA

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**LP1**

-322MetThrHisSerMetArgLeuArgPheProThrLeuAsnGln\*\*\*

CHCC15289\_ermD\_variant\_2 TGACACACTCAATGAGACTTCGTTTCCCAACTTTGAACCAGTAATTAAATACGTTCAAAG

CHCC20495\_ermD\_variant\_2 TGACACACTCAATGAGACTTCGTTTCCCAACTTTGAACCAGTAATTAAATACGTTCAAAG

CHCC20375\_ermD\_variant\_outlier TGACACACTCAATGAGACTGCGTTTCCCAACTTTGAACCAGTAATTAAATACGTTCAAAG

CHCC20348\_ermD\_variant\_1.2.1 TGACACACTCAATGAGACTGCGTTTCCCAACTTTGAACCAGTAATTAAATACGTTCAAAG

CHCC5025\_ermD\_variant\_1.2.1 TGACACACTCAATGAGACTGCGTTTCCCAACTTTGAACCAGTAATTAAATACGTTCAAAG

CHCC5021\_ermD\_variant\_1.1 TGACACACTCAATGAGACTTCGTTTCCCAACTTTGAACCAGTAATTAAATACGTTCAAAG

CHCC20491\_ermD\_variant\_1.1 TGACACACTCAATGAGACTTCGTTTCCCAACTTTGAACCAGTAATTAAATACGTTCAAAG

CHCC4186\_ermD\_variant\_1.2.2 TGACACACTCAATGAGACTTCGTTTCCCAACTTTGAACCAGTAATTAAATACGTTCAAAG

CHCC5019\_ermD\_variant\_1.2.2 TGACACACTCAATGAGACTTCGTTTCCCAACTTTGAACCAGTAATTAAATACGTTCAAAG

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**LP2**

-262 MetCysMetGlnSerLysArgAspGlnSerValLeuPhe\*\*\*

CHCC15289\_ermD\_variant\_2 GCTCTGTTTGTGTATGCAGAGTAAACGGGATCAGTCTGTCCTTTTTTAATAATCTTCATT

CHCC20495\_ermD\_variant\_2 GCTCTGTTTGTGTATGCAGAGTAAACGGGATCAGTCTGTCCTTTTTTAATAATCTTCATT

CHCC20375\_ermD\_variant\_outlier GCTCTGTTTGTGTATGCAGAGTAAACGGGATCAGTCTGTCCTTTTTTAATAATCTTCATT

CHCC20348\_ermD\_variant\_1.2.1 GCTCTGTTTGTGTATGCAGAGTAAACGGGATCAGTCTGTCCTTTTTTAATAATCTTCAAT

CHCC5025\_ermD\_variant\_1.2.1 GCTCTGTTTGTGTATGCAGAGTAAACGGGATCAGTCTGTCCTTTTTTAATAATCTTCAAT

CHCC5021\_ermD\_variant\_1.1 GCTCTGTTTGTGTATGCAGAGTAAACGGGATCAGTCTGTCCTTTTTTAATAATCTTCAAT

CHCC20491\_ermD\_variant\_1.1 GCTCTGTTTGTGTATGCAGAGTAAACGGGATCAGTCTGTCCTTTTTTAATAATCTTCAAT

CHCC4186\_ermD\_variant\_1.2.2 GCTCTGTTTGTGTATGCAGAGTAAACGGGATCAGTCTGTCCTTTTTTAATAATCTTCAAT

CHCC5019\_ermD\_variant\_1.2.2 GCTCTGTTTGTGTATGCAGAGTAAACGGGATCAGTCTGTCCTTTTTTAATAATCTTCAAT

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-202

CHCC15289\_ermD\_variant\_2 TTGCATATAAAATTTGTAACTTGTAGAAAGGCGGATCGTTCTGCCTTTCTTTTTTGTTTA

CHCC20495\_ermD\_variant\_2 TTGCATATAAAATTTGTAACTTGTAGAAAGGCGGATCGTTCTGCCTTTCTTTTTTGTTTA

CHCC20375\_ermD\_variant\_outlier TTGCATATAAAATTTGTAACTTGGAGAAAGGCGGATCGTTCTGCCTTTCTTTTTTGTTTA

CHCC20348\_ermD\_variant\_1.2.1 TTGCATATAAAATTTGTAACTTGTAGAAAGGCGGATCGTTCTGCCTTTCTTTTTTGTTTA

CHCC5025\_ermD\_variant\_1.2.1 TTGCATATAAAATTTGTAACTTGTAGAAAGGCGGATCGTTCTGCCTTTCTTTTTTGTTTA

CHCC5021\_ermD\_variant\_1.1 TTGCATATAAAATTTGTAATTTGTAGAAAGGCGGATCGTTCTGCCTTTCTTTTTTGTTTA

CHCC20491\_ermD\_variant\_1.1 TTGCATATAAAATTTGTAATTTGTAGAAAGGCGGATCGTTCTGCCTTTCTTTTTTGTTTA

CHCC4186\_ermD\_variant\_1.2.2 TTGCATATAAAATTTGTAATTTGTAGAAAGGCGGATCGTTCTGCCTTTCTTTTTTGTTTA

CHCC5019\_ermD\_variant\_1.2.2 TTGCATATAAAATTTGTAATTTGTAGAAAGGCGGATCGTTCTGCCTTTCTTTTTTGTTTA

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-142

CHCC15289\_ermD\_variant\_2 ATCTCCTTTTTTTCCAACTGTTGAGAAAGGCTTATTTGGTTATGAAAACACCGCGGATTC

CHCC20495\_ermD\_variant\_2 ATCTCCTTTTTTTCCAACTGTTGAGAAAGGCTTATTTGGTTATGAAAACACCGCGGATTC

CHCC20375\_ermD\_variant\_outlier A--TCCTTTTTTTCTAACGGCTGAGAAAGGCTTATTTGGTTATGGAAATACCGCGGCTTC

CHCC20348\_ermD\_variant\_1.2.1 A--TCCTT-TTTTCTAACGGCTGAGAAAGGCTTATTTGGTTATGGAAATACCGCGGATTC

CHCC5025\_ermD\_variant\_1.2.1 A--TCCTTTTTTTCTAACGGCTGAGAAAGGCTTATTTGGTTATGGAAATACCGCGGATTC

CHCC5021\_ermD\_variant\_1.1 A--TCCTTTTTTTCTAACGGCTGAGAAAGGCTTATTTGGTTATGGAAATACCGCGGCTTC

CHCC20491\_ermD\_variant\_1.1 A--TCCTTTTTTTCTAACGGCTGAGAAAGGCTTATTTGGTTATGGAAATACCGCGGCTTC

CHCC4186\_ermD\_variant\_1.2.2 A--TCCTTTTTTTCTAACGGCTGAGAAAGGCTTATTTGGTTATGGAAATACCGCGGCTTC

CHCC5019\_ermD\_variant\_1.2.2 A--TCCTTTTTTTCTAACGGCTGAGAAAGGCTTATTTGGTTATGGAAATACCGCGGCTTC

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-82

CHCC15289\_ermD\_variant\_2 ATCCTTAAAGGATGGCTCTTCCCTTTACTCTGAATCACAGGCAGACCGCCTGTGATTTTT

CHCC20495\_ermD\_variant\_2 ATCCTTAAAGGATGGCTCTTCCCTTTACTCTGAATCACAGGCAGACCGCCTGTGATTTTT

CHCC20375\_ermD\_variant\_outlier ATCCTTAAAGGATGGCTCTTCCCTTTACTCTGAATCACAGGCAGACCGCCTGTGATTTTT

CHCC20348\_ermD\_variant\_1.2.1 ATCCTTAAAGGATGGCTCTTCCCTTTACTCTGAATCACAGGCAGACCGCCTGTGATTTTT

CHCC5025\_ermD\_variant\_1.2.1 ATCCTTAAAGGATGGCTCTTCCCTTTACTCTGAATCACAGGCAGACCGCCTGTGATTTTT

CHCC5021\_ermD\_variant\_1.1 ATCCTTAAAGGATGGCTCTTCCCTTTACTCTGAATCACAGGCAGACCGCCTGTGATTTTT

CHCC20491\_ermD\_variant\_1.1 ATCCTTAAAGGATGGCTCTTCCCTTTACTCTGAATCACAGGCAGACCGCCTGTGATTTTT

CHCC4186\_ermD\_variant\_1.2.2 ATCCTTAAAGGATGGCTCTTCCCTTTACTCTGAATCACAGGCAGACCGCCTGTGATTTTT

CHCC5019\_ermD\_variant\_1.2.2 ATCCTTAAAGGATGGCTCTTCCCTTTACTCTGAATCACAGGCAGACCGCCTGTGATTTTT

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-22 *ermD* methylase

CHCC15289\_ermD\_variant\_2 TATGATGAGAGGAAGAGGAAACGTGAAGAAAAAAAATCTTAAGTACAGAGGAAAAAAGTT

CHCC20495\_ermD\_variant\_2 TATGATGAGAGGAAGAGGAAACGTGAAGAAAAAAAATCTTAAGTACAGAGGAAAAAAGTT

CHCC20375\_ermD\_variant\_outlier TATGATGAGAGGAAGAGGAAACGTGAAGAAAAAAAATCATAAGTACAGAGGAAAAAAGCT

CHCC20348\_ermD\_variant\_1.2.1 TATGATGAGAGGAAGAGGAAACATGAAGAAAAAAAATCATAAGTACAGAGGAAAAAAGTT

CHCC5025\_ermD\_variant\_1.2.1 TATGATGAGAGGAAGAGGAAACATGAAGAAAAAAAATCATAAGTACAGAGGAAAAAAGTT

CHCC5021\_ermD\_variant\_1.1 TATGATGAGAGGAAGAGGAAACATGAAGAAAAAAAATCATAAGTACAGAGGAAAAAAGTT

CHCC20491\_ermD\_variant\_1.1 TATGATGAGAGGAAGAGGAAACATGAAGAAAAAAAATCATAAGTACAGAGGAAAAAAGTT

CHCC4186\_ermD\_variant\_1.2.2 TATGATGAGAGGAAGAGGAAACATGAAGAAAAAAAATCATAAGTACAGAGGAAAAAAGTT

CHCC5019\_ermD\_variant\_1.2.2 TATGATGAGAGGAAGAGGAAACATGAAGAAAAAAAATCATAAGTACAGAGGAAAAAAGTT

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CHCC15289\_ermD\_variant\_2 AAACCGCGGGGAATCTCCGAATTTTTCCGGACAGCATTTGATGCATAATAAAAAATTAAT

CHCC20495\_ermD\_variant\_2 AAACCGCGGGGAATCTCCGAATTTTTCCGGACAGCATTTGATGCATAATAAAAAATTAAT

CHCC20375\_ermD\_variant\_outlier AAATCGCAGGGAATCTCCGAATTTTTCCGGACAGCATTTGATGCATAATAAAAAATTAAT

CHCC20348\_ermD\_variant\_1.2.1 AAACCGCGGGGAATATCCGAATTTTTCCGGACAGCATTTGATGCATAATAAAAAATTAAT

CHCC5025\_ermD\_variant\_1.2.1 AAACCGCGGGGAATATCCGAATTTTTCCGGACAGCATTTGATGCATAATAAAAAATTAAT

CHCC5021\_ermD\_variant\_1.1 AAACCGCGGGGAATCTCCGAATTTTTCCGGACAGCATTTGATGCATAATAAAAAATTAAT

CHCC20491\_ermD\_variant\_1.1 AAACCGCGGGGAATCTCCGAATTTTTCCGGACAGCATTTGATGCATAATAAAAAATTAAT

CHCC4186\_ermD\_variant\_1.2.2 AAACCGCGGGGAATATCCGAATTTTTCCGGACAGCATTTGATGCATAATAAAAAATTAAT

CHCC5019\_ermD\_variant\_1.2.2 AAACCGCGGGGAATATCCGAATTTTTCCGGACAGCATTTGATGCATAATAAAAAATTAAT

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CHCC15289\_ermD\_variant\_2 TGAAGAAATTGTAGATCGGGCGAATATTGGCATTAACGATACAGTTTTAGAGTTAGGGGC

CHCC20495\_ermD\_variant\_2 TGAAGAAATTGTAGATCGGGCGAATATTGGCATTAACGATACAGTTTTAGAGTTAGGGGC

CHCC20375\_ermD\_variant\_outlier TGAAGAAATTGTGGATTGGGCAAATATTGGCATAGACGATACAGTTTTAGAGTTAGGGGC

CHCC20348\_ermD\_variant\_1.2.1 TGAAGAAATTGTGGATCGAGCAAATATTAGCATAGACGATACGGTTTTAGAGTTAGGAGC

CHCC5025\_ermD\_variant\_1.2.1 TGAAGAAATTGTGGATCGGGCAAATATTAGCATAGACGATACGGTTTTAGAGTTAGGAGC

CHCC5021\_ermD\_variant\_1.1 TGAAGAAATTGTGGATCGGGCAAATATTAGCATAGACGATACGGTTTTAGAGTTAGGAGC

CHCC20491\_ermD\_variant\_1.1 TGAAGAAATTGTGGATCGGGCAAATATTAGCATAGACGATACGGTTTTAGAGTTAGGAGC

CHCC4186\_ermD\_variant\_1.2.2 TGAAGAAATTGTGGATCGGGCAAATATTAGCATAGACGATACGGTTTTAGAGTTAGGAGC

CHCC5019\_ermD\_variant\_1.2.2 TGAAGAAATTGTGGATCGGGCAAATATTAGCATAGACGATACGGTTTTAGAGTTAGGAGC

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CHCC15289\_ermD\_variant\_2 TGGAAAAGGTGCTTTGACAACTGTGCTAAGTCAAAAAGCCGGTAAGGTATTGGCAGTGGA

CHCC20495\_ermD\_variant\_2 TGGAAAAGGTGCTTTGACAACTGTGCTAAGTCAAAAAGCCGGTAAGGTATTGGCAGTGGA

CHCC20375\_ermD\_variant\_outlier TGGAAAAGGTGCTTTGACAACTGTGCTAAGTCAAAAAGCCGGTAAGGTATTGGCAGTGGA

CHCC20348\_ermD\_variant\_1.2.1 GGGAAAAGGTGCTTTGACAACTATGCTAAGTCAAAAAGCCGGTAAGGTATTGGCAGTGGA

CHCC5025\_ermD\_variant\_1.2.1 GGGAAAAGGTGCTTTGACAACTATGCTAAGTCAAAAAGCCGGTAAGGTATTGGCAGTGGA

CHCC5021\_ermD\_variant\_1.1 GGGAAAAGGGGCTTTGACAACTGTGCTAAGTCAAAAAGCCGGTAAGGTATTGGCAGTGGA

CHCC20491\_ermD\_variant\_1.1 GGGAAAAGGGGCTTTGACAACTGTGCTAAGTCAAAAAGCCGGTAAGGTATTGGCAGTGGA

CHCC4186\_ermD\_variant\_1.2.2 GGGAAAAGGGGCTTTGACAACTGTGCTAAGTCAAAAAGCCGGTAAGGTATTGGCAGTGGA

CHCC5019\_ermD\_variant\_1.2.2 GGGAAAAGGGGCTTTGACAACTGTGCTAAGTCAAAAAGCCGGTAAGGTATTGGCAGTGGA

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CHCC15289\_ermD\_variant\_2 AAACGATTCTAAATTCGTTGGTATACTCACACGTAAAACAGCACAGCACTCAAATGCGAA

CHCC20495\_ermD\_variant\_2 AAACGATTCTAAATTCGTTGGTATACTCACACGTAAAACAGCACAGCACTCAAATGCGAA

CHCC20375\_ermD\_variant\_outlier AAACGATTCTAAATTCGTTGATATACTCACACGTAAAACAGCACATCACTCAAATACGAA

CHCC20348\_ermD\_variant\_1.2.1 AAACGATTCTAAATTCGTTGCTATACTCACACGTAAAACAGCACAGCATCCAAATACGAA

CHCC5025\_ermD\_variant\_1.2.1 AAACGATTCTAAATTCGTTGCTATACTCACACGTAAAACAGCACAGCATCCAAATACGAA

CHCC5021\_ermD\_variant\_1.1 AAACGATTCTAAATTCGTTGATATACTCACACGTAAAACGGCACAGCATTCAAATACGAA

CHCC20491\_ermD\_variant\_1.1 AAACGATTCTAAATTCGTTGATATACTCACACGTAAAACGGCACAGCATTCAAATACGAA

CHCC4186\_ermD\_variant\_1.2.2 AAACGATTCTAAATTCGTTGATATACTCACACGTAAAACAGCACAGCATTCAAATACGAA

CHCC5019\_ermD\_variant\_1.2.2 AAACGATTCTAAATTCGTTGATATACTCACACGTAAAACGGCACAGCATTCAAATACGAA

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CHCC15289\_ermD\_variant\_2 AATTATTCATCAAGATATCATGAAGATTCATTTACCAAAAGAAAAGTTTGTGGTGGTCTC

CHCC20495\_ermD\_variant\_2 AATTATTCATCAAGATATCATGAAGATTCATTTACCAAAAGAAAAGTTTGTGGTGGTCTC

CHCC20375\_ermD\_variant\_outlier AATTATTCATCAAGATATCATGAAGATTCATTTACCAAAAGAAAAGTTTGTGGTGGTCTC

CHCC20348\_ermD\_variant\_1.2.1 AATTATTCATCAAGATATCATGAAGATTCATTTACCAAAAGAAAAGTTTGTGGTGGTCTC

CHCC5025\_ermD\_variant\_1.2.1 AATTATTCATCAAGATATCATGAAGATTCATTTACCAAAAGAAAAGTTTGTGGTGGTCTC

CHCC5021\_ermD\_variant\_1.1 AATTATTCATCAAGATATCATGAAGATTCATTTACCAAAAGAAAAGTTTGTGGTGGTCTC

CHCC20491\_ermD\_variant\_1.1 AATTATTCATCAAGATATCATGAAGATTCATTTACCAAAAGAAAAGTTTGTGGTGGTCTC

CHCC4186\_ermD\_variant\_1.2.2 AATTATTCATCAAGATATCATGAAGATTCATTTACCAAAAGAAAAGTTTGTGGTGGTCTC

CHCC5019\_ermD\_variant\_1.2.2 AATTATTCATCAAGATATCATGAAGATTCATTTACCAAAAGAAAAGTTTGTGGTGGTCTC

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CHCC15289\_ermD\_variant\_2 TAATATTCCTTATGCCATCACAACCCCCATTATGAAAATGCTTTTGAACAATCCTGCAAG

CHCC20495\_ermD\_variant\_2 TAATATTCCTTATGCCATCACAACCCCCATTATGAAAATGCTTTTGAACAATCCTGCAAG

CHCC20375\_ermD\_variant\_outlier TAATATTCCCTATGCCATCACAACCCCCATCATGAAAATGCTTTTGAACAATCCTGCAAG

CHCC20348\_ermD\_variant\_1.2.1 TAATATTCCCTATGCCATCACAACTCCCATCATGAAAATGCTCTTGAACAATCCTGCAAG

CHCC5025\_ermD\_variant\_1.2.1 TAATATTCCCTATGCCATCACAACTCCCATCATGAAAATGCTCTTGAACAATCCTGCAAG

CHCC5021\_ermD\_variant\_1.1 TAATATTCCCTATGCCATCACAACCCCCATCATGAAAATGCTTTTGAACAATCCTGCAAG

CHCC20491\_ermD\_variant\_1.1 TAATATTCCCTATGCCATCACAACCCCCATCATGAAAATGCTTTTGAACAATCCTGCAAG

CHCC4186\_ermD\_variant\_1.2.2 TAATATTCCCTATGCCATCACAACCCCCATCATGAAAATGCTTTTGAACAATCCTGCAAG

CHCC5019\_ermD\_variant\_1.2.2 TAATATTCCCTATGCCATCACAACCCCCATCATGAAAATGCTTTTGAACAATCCTGCAAG

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CHCC15289\_ermD\_variant\_2 CGGATTTCAAAAAGGCATCATCGTAATGGAAAAAGGGGCTGCTAAACGATTCACATCAAA

CHCC20495\_ermD\_variant\_2 CGGATTTCAAAAAGGCATCATCGTAATGGAAAAAGGGGCTGCTAAACGATTCACATCAAA

CHCC20375\_ermD\_variant\_outlier CGGATTTCAAAAAGGCATCATCGTAATGGAAAAAGGGGCTGCTAAACGATTCACATCAAA

CHCC20348\_ermD\_variant\_1.2.1 CGGATTTCAAAAAGGGATCATCGTAATGGAAAAAGGGGCTGCTAAACGTTTCACATCAAA

CHCC5025\_ermD\_variant\_1.2.1 CGGATTTCAAAAAGGGATCATCGTAATGGAAAAAGGGGCTGCTAAACGTTTCACATCAAA

CHCC5021\_ermD\_variant\_1.1 CGGATTTCAAAAAGGGATCATCGTAATGGAAAAAGGGGCTGCTAAACGTTTCACATCAAA

CHCC20491\_ermD\_variant\_1.1 CGGATTTCAAAAAGGGATCATCGTAATGGAAAAAGGGGCTGCTAAACGTTTCACATCAAA

CHCC4186\_ermD\_variant\_1.2.2 CGGATTTCAAAAAGGGATCATCGTAATGGAAAAAGGGGCTGCTAAACGTTTCACATCAAA

CHCC5019\_ermD\_variant\_1.2.2 CGGATTTCAAAAAGGGATCATCGTAATGGAAAAAGGGGCTGCTAAACGTTTCACATCAAA

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CHCC15289\_ermD\_variant\_2 ATTCATTAAAAACTCCTATGTTTTAGCTTGGAGAATGTGGTTTAATATTGGCATTGTCAG

CHCC20495\_ermD\_variant\_2 ATTCATTAAAAACTCCTATGTTTTAGCTTGGAGAATGTGGTTTAATATTGGCATTGTCAG

CHCC20375\_ermD\_variant\_outlier ATTCATGAAAAATTCCTATGTTTTAGCTTGGAGAATGTGGTTTGATATTGGCATTGTCAG

CHCC20348\_ermD\_variant\_1.2.1 ATTCATTAAAAATTCCTATGTTTTAGCTTGGAGAATGTGGTTTGATATTGGCATTGTCAG

CHCC5025\_ermD\_variant\_1.2.1 ATTCATTAAAAATTCCTATGTTTTAGCTTGGAGAATGTGGTTTGATATTGGCATTGTCAG

CHCC5021\_ermD\_variant\_1.1 ATTCATTAAAAATTCCTATGTTTTAGCTTGGAGAATGTGGTTTGATATTGGCATTGTCAG

CHCC20491\_ermD\_variant\_1.1 ATTCATTAAAAATTCCTATGTTTTAGCTTGGAGAATGTGGTTTGATATTGGCATTGTCAG

CHCC4186\_ermD\_variant\_1.2.2 ATTCATTAAAAATTCCTATGTTTTAGCTTGGAGAATGTGGTTTGATATTGGCATTGTCAG

CHCC5019\_ermD\_variant\_1.2.2 ATTCATTAAAAATTCCTATGTTTTAGCTTGGAGAATGTGGTTTGATATTGGCATTGTCAG

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CHCC15289\_ermD\_variant\_2 AGAAATATCGAAAGAACATTTTTCTCCCCCTCCAAAAGTGGACTCGGCAATGGTCAGCAT

CHCC20495\_ermD\_variant\_2 AGAAATATCGAAAGAACATTTTTCTCCCCCTCCAAAAGTGGACTCGGCAATGGTCAGCAT

CHCC20375\_ermD\_variant\_outlier AGAAATATCGAAAGAACATTTTTCTCCCCCTCCAAAAGTGGACTCGGCAATGGTTAGAAT

CHCC20348\_ermD\_variant\_1.2.1 AGAAATATCGAAAGAGCATTTTTCTCCCCCTCCAAAAGTGGACTCGGCAATGGTCAGAAT

CHCC5025\_ermD\_variant\_1.2.1 AGAAATATCGAAAGAGCATTTTTCTCCCCCTCCAAAAGTGGACTCGGCAATGGTCAGAAT

CHCC5021\_ermD\_variant\_1.1 AGAAATATCGAAAGAGCATTTTTCTCCCCCTCCAAAAGTGGACTCGGCAATGGTCAGAAT

CHCC20491\_ermD\_variant\_1.1 AGAAATATCGAAAGAGCATTTTTCTCCCCCTCCAAAAGTGGACTCGGCAATGGTCAGAAT

CHCC4186\_ermD\_variant\_1.2.2 AGAAATATCGAAAGAGCATTTTTCTCCCCCTCCAAAAGTGGACTCGGCAATGGTCAGAAT

CHCC5019\_ermD\_variant\_1.2.2 AGAAATATCGAAAGAGCATTTTTCTCCCCCTCCAAAAGTGGACTCGGCAATGGTCAGAAT

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CHCC15289\_ermD\_variant\_2 AACACGAAAAAAAGAAGCGCCTATACCACATAAACATTACATTGCATTTCTTGTGCTTGC

CHCC20495\_ermD\_variant\_2 AACACGAAAAAAAGAAGCGCCTATACCACATAAACATTACATTGCATTTCTTGTGCTTGC

CHCC20375\_ermD\_variant\_outlier AACACGGAAAAAAGAAGCGCCTATATCACATAAACATTACATTGCATTTCTTGGGCTTGC

CHCC20348\_ermD\_variant\_1.2.1 AACACGAAAAAAAGACGCGCCTCTATCACATAAACATTACATTGCGTTTCTTGGGCTTGC

CHCC5025\_ermD\_variant\_1.2.1 AACACGAAAAAAAGACGCGCCTCTATCACATAAACATTACATTGCGTTTCTTGGGCTTGC

CHCC5021\_ermD\_variant\_1.1 AACACGAAAAAAAGACGCGCCTCTATCACATAAACATTATATTGCGTTTCGGGGACTTGC

CHCC20491\_ermD\_variant\_1.1 AACACGAAAAAAAGACGCGCCTCTATCACATAAACATTATATTGCGTTTCGGGGACTTGC

CHCC4186\_ermD\_variant\_1.2.2 AACACGAAAAAAAGAAGCGCCTCTATCACATAAACATTACATTGCGTTTCGGGGGCTTGC

CHCC5019\_ermD\_variant\_1.2.2 AACACGAAAAAAAGAAGCGCCTCTATCACATAAACATTACATTGCGTTTCGGGGGCTTGC

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CHCC15289\_ermD\_variant\_2 CGAATATGCGCTAAAGGAGCCGCATGCCCCTTTCTGTGTTGCTTTACGCGGGATTTTTAC

CHCC20495\_ermD\_variant\_2 CGAATATGCGCTAAAGGAGCCGCATGCCCCTTTCTGTGTTGCTTTACGCGGGATTTTTAC

CHCC20375\_ermD\_variant\_outlier TGAATATGCGCTCAAGGAGCCGCAAGCCCCTTTCTGTGTTGCTTTACGCGGAATTTTTAC

CHCC20348\_ermD\_variant\_1.2.1 CGAATATGCGCTAAAGGAGCCGCAAGCCCCTCTCTGTGTTGCTTTACGCGGAATTTTTAC

CHCC5025\_ermD\_variant\_1.2.1 CGAATATGCGCTAAAGGAGCCGCAAGCCCCTTTCTGTGTTGCTTTACGCGGAATTTTTAC

CHCC5021\_ermD\_variant\_1.1 CGAATACGCGCTAAAGGAGCCGAATATCCCTCTCTGTGTTGCTTTACGCGGAATTTTTAC

CHCC20491\_ermD\_variant\_1.1 CGAATACGCGCTAAAGGAGCCGAATATCCCTCTCTGTGTTGCTTTACGCGGAATTTTTAC

CHCC4186\_ermD\_variant\_1.2.2 CGAATATGCGCTAAAGGAGCCGCAAGCCCCTTTCTGTGTTGCTTTACGCGGAATTTTTAC

CHCC5019\_ermD\_variant\_1.2.2 CGAATATGCGCTAAAGGAGCCGCAAGCCCCTTTCTGTGTTGCTTTACGCGGAATTTTTAC

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CHCC15289\_ermD\_variant\_2 TCCGCGTCAAATGAAACACTTAAGAAAAAGTCTAAAAATCAACAACGAAAAAACCGTTGG

CHCC20495\_ermD\_variant\_2 TCCGCGTCAAATGAAACACTTAAGAAAAAGTCTAAAAATCAACAACGAAAAAACCGTTGG

CHCC20375\_ermD\_variant\_outlier TCCGCGTCAAATGAAGCACTTAAGAAAAAGTCTAAAAATCAACAATGAAAAAACCGTTGG

CHCC20348\_ermD\_variant\_1.2.1 CCCGCGTCAAATGAAACACTTAAGAAAAAGTCTAAAAATCAACAATGAAAAAACCGTTGG

CHCC5025\_ermD\_variant\_1.2.1 TCCGCGTCAAATGAAACACTTAAGAAAAAGTCTAAAAATTAACAATGAAAAAACCGTTGG

CHCC5021\_ermD\_variant\_1.1 CCCGCGTCAAATGAAACACTTAAGAAAAAGTCTAAAAATCAACAATGAAAAAACCGTTGG

CHCC20491\_ermD\_variant\_1.1 CCCGCGTCAAATGAAACACTTAAGAAAAAGTCTAAAAATCAACAATGAAAAAACCGTTGG

CHCC4186\_ermD\_variant\_1.2.2 CCCGCGTCAAATGAAACACTTAAGAAAAAGTCTAAAAATCAACAATGAAAAAACCGTTGG

CHCC5019\_ermD\_variant\_1.2.2 CCCGCGTCAAATGAAACACTTAAGAAAAAGTCTAAAAATCAACAATGAAAAAACCGTTGG

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CHCC15289\_ermD\_variant\_2 AACGCTCACCGAAAACCAATGGGCGATTATTTTTAAGACGATGACTCAATATGTGATGCA

CHCC20495\_ermD\_variant\_2 AACGCTCACCGAAAACCAATGGGCGATTATTTTTAAGACGATGACTCAATATGTGATGCA

CHCC20375\_ermD\_variant\_outlier AACGCTCACCGAAAACCAATGGGCGGTTATTTTTAACACGATGACTCAATATGTGATGCA

CHCC20348\_ermD\_variant\_1.2.1 AACGCTCACCGAAAACCAATGGGCGGTTATTTTTAACACGATGACTCAATATGTGATGCA

CHCC5025\_ermD\_variant\_1.2.1 AACGCTCACCGAAAACCAATGGGCGGTTATTTTTAACACGATGACTCAATATGTGATGCA

CHCC5021\_ermD\_variant\_1.1 AACGCTCACCGAAAACCAATGGGCGGTTATTTTTAACACGATGACTCAGTATGTAATGCA

CHCC20491\_ermD\_variant\_1.1 AACGCTCACCGAAAACCAATGGGCGGTTATTTTTAACACGATGACTCAGTATGTAATGCA

CHCC4186\_ermD\_variant\_1.2.2 AACGCTCACCGAAAACCAATGGGCGGTTATTTTTTACACGATGACTCAGTATGTAATGCA

CHCC5019\_ermD\_variant\_1.2.2 AACGCTCACCGAAAACCAATGGGCGGTTATTTTTTACACGATGACTCAGTATGTAATGCA

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CHCC15289\_ermD\_variant\_2 CCACAAATGGCCAAGAGCAAATAAGAGAAAACCCGGAGAA---TAAAGAA-AAAAGCTGC

CHCC20495\_ermD\_variant\_2 CCACAAATGGCCAAGAGCAAATAAGAGAAAACCCGGAGAA---TAAAGAA-AAAAGCTGC

CHCC20375\_ermD\_variant\_outlier CCACAAATGGCCAAGAGCAAATAAGAGAAAACCCGGAGAAATATAAAGAA-AAAAGCTGC

CHCC20348\_ermD\_variant\_1.2.1 CCACAAATGGCCAAGAGCAAATAAGCGAAAATCCGGAGAAATATAAAGAAAAAAAGCTGC

CHCC5025\_ermD\_variant\_1.2.1 CCACAAATGGCCAAGAGCAAATAAGCGAAAACCCGGAGAAATATAAAGAAAAAAAGCTGC

CHCC5021\_ermD\_variant\_1.1 TCACAAATGGCCAAGAGCAAATAAGCGAAAACCCGGAGAAATATAAAGAA-AAAAGCTGC

CHCC20491\_ermD\_variant\_1.1 TCACAAATGGCCAAGAGCAAATAAGCGAAAACCCGGAGAAATATAAAGAA-AAAAGCTGC

CHCC4186\_ermD\_variant\_1.2.2 TCACAAATGGCCAAGAGCAAATAAGCGAAAACCCGGAGAAATATAAAGAA-AAAAGCTGC

CHCC5019\_ermD\_variant\_1.2.2 TCACAAATGGCCAAGAGCAAATAAGCGAAAACCCGGAGAAATATAAAGAA-AAAAGCTGC

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CHCC15289\_ermD\_variant\_2 TGGCATCTCGTCAGCAGCTTAAGCT-TTTCCGG-GGGATTCAGATGTCCCTGTCAACATT

CHCC20495\_ermD\_variant\_2 TGGCATCTCGTCAGCAGCTTAAGCT-TTTCCGG-GGGATTCAGATGTCCCTGTCAACATT

CHCC20375\_ermD\_variant\_outlier TGACGTCTCGTCAGCAGCTTAAGCT-TTTCTGGAGGGATTCAGATGTCCCTGTCAACATT

CHCC20348\_ermD\_variant\_1.2.1 TGACGTCTCGTCAGCAGCTTAAGCT-TTTCCGGAGGGATTCAGATGTCCCTGTCAACATT

CHCC5025\_ermD\_variant\_1.2.1 TGACGTCTCGTCAGCAGCTTAAGCT-TTTCTGGAGGGATTCAGATGTCCCTGTCAACATT

CHCC5021\_ermD\_variant\_1.1 TGACTTCCCGTCAGCAGCTTTAGCTATTTCTGGAGGGATTCAGATGTCCCTGTCAACATT

CHCC20491\_ermD\_variant\_1.1 TGACTTCCCGTCAGCAGCTTTAGCTATTTCTGGAGGGATTCAGATGTCCCTGTCAACATT

CHCC4186\_ermD\_variant\_1.2.2 TGACTTCCCGTCAGCAGCTTTAGCTATTTCTGGAGGGATTCAGATGTCCCTGTCAACATT

CHCC5019\_ermD\_variant\_1.2.2 TGACTTCCCGTCAGCAGCTTTAGCTATTTCTGGAGGGATTCAGATGTCCCTGTCAACATT

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CHCC15289\_ermD\_variant\_2 CCTTTTGCCCGCTTACAGCTTTCCAGTTAAAAACTGCGCCTCGCCGAGGCC---------

CHCC20495\_ermD\_variant\_2 CCTTTTGCCCGCTTACAGCTTTCCAGTTAAAAACTGCGCCTCG-----------------

CHCC20375\_ermD\_variant\_outlier CCTTTTGCCCGCTTACAGCTTTCCAGTTAAAAACTGCGCCTCGCCGAG------------

CHCC20348\_ermD\_variant\_1.2.1 CCTTTTGCCCGCTTACAGCTTTCCAGTTAAAAACTGCGCCTCGCCGAGGCCGAAACTCCA

CHCC5025\_ermD\_variant\_1.2.1 CCTTTTGCCCGCTTACAGCTTTCCAGTTAAAAACTGCGCCTCGCCGAGGCCGAAACTCCA

CHCC5021\_ermD\_variant\_1.1 CCTTTTGTCCGCTTACAGCTTTCCAGTTAAAAACTGCGCCTCGCCGAGGCCGAAACTCCA

CHCC20491\_ermD\_variant\_1.1 CCTTTTGTCCGCTTACAGCTTTCCAGTTAAAAACTGCGCCTCGCCGAGGCCGAAACTCC-

CHCC4186\_ermD\_variant\_1.2.2 CCTTTTGTCCGCTTACAGCTTTCCAGTTAAAAACTGCGCCT-------------------

CHCC5019\_ermD\_variant\_1.2.2 CCTTTTGTCCGCTTACAGCTTTCCAGTT--------------------------------

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