

INK2J00045R_CHMP2B_Q165X_B09_AA
 28,286 bp

5'

3'

CGCAGGCGCCGCTAGAAAGTGACTTCTCCAAAAAGTGTGTTAGTTCCCGGTACCTGAGCTCCGGGTGACGCGGCTGCGGTAGCT
GCGTCCGCGCGGATCTTCACTGAAGAGGTTTTTTCACACAATCAAGGGCCAGTGGACTCGAGGCCCACTGCGCCGACGCCATCGA

85

CHMP2B

CHMP2B-201

GCGGATACAAGCCTTCCGCGGGTCTGCTGCGACCCCGACCTCCTCCTGCTGTCTCTCCGCTCCGCCACCCCGAACCCGCCAA
CGCCTATGTTTCGGAAGGCGCCAGGACGGACCGCTGGGGCTGGAGGAGGACGACAGAGAGGCGAGGCGGTGGGGCTTGGGCGGTT

170

CHMP2B

CHMP2B-201

GGTCTGTCTTTTTCTCCTGTCTTTGCCAGCGTTGGGCGGACCGGGCCGAGCCGGGCGCCCGGGCGCAGTCTTTAACCATG
CCAGGACAGGAAAAGGAGGACAGGAAACGGTCGCAACCCGGCTGGCCCGGCTCGGCCCGGCGGGCCCGCTCAGAAATTGGTAC

255

CHMP2B

CHMP2B-201

1

M

CHMP2B-201

GCGTCCCTCTTCAAGAAGAAAACCGTGGATGGTGAGTTCCAGGCCGGGCTGAAGGGGCCAGCTCTGCGTTTTCTCGGCGTCTTT
CGCAGGGAGAAGTTCTTCTTTTGGCACCTACCACTCAAGGTCCGGCCGACTTCCCCGGGTCGAGACGCAAAAGAGCCGCAGAAA

340

CHMP2B

CHMP2B-201

A S L F K K K T V D

ENSE00001828224

CHMP2B-201

CGAGGCCTGCTGGCCGCGATTCTGCCTACTGTCCCTGGAGGCGGGGCTGGATCAAGTGGTCCCACAGGTGACCGCCCTCGCGGCA
GCTCCGGACGACCGGCGCTAAGACGGATGACAGGGACCTCCGCCCGACCTAGTTCAACAGGGTGTCCACTGGCGGGAGCGCCGT

425

CHMP2B

CHMP2B-201

CHMP2B-201

CCACTTCTCTGCCTCCCTCTTGCTTCTGACTCACCTCACCTTAGGCTCACCTAGGCAGTCTGGTTGCTTCCCTATCCTCACGATT
GGTGAAGAGACGGAGGGGAGAACGAAGACTGAGTGGAGTGGAAATCCGAGTGGATCCGTGAGACCAACGAAGGGATAGGAGTGCTAA

510

CHMP2B

CHMP2B-201

CHMP2B-201

CCCCACCCCTCGGGTTTTCTCAGCAGGATCCTGAGCGTTTTCGAGGAGGCTAGCTGGCCCTTGAGTGTCAATAAACTTGGAAATC
GGGGGTGGGAGCCAAAAGGAGTCGTCCTAGGACTCGCAAAGCTCCTCCGATCGACCGGGAACACAGTTATTTGAACCTTTAG

595

CHMP2B

CHMP2B-201

CHMP2B-201

TGATGGATTTCTTGTGGTTTTCTCTGCTTCGATTGTTGCTCTTCAGTTGGGCGATATACTACTTGTAGGCATCCATACAGGAAA
ACTACCTAAAGAACAACCAAAGGAGACGAAGCTAACAACGAGAAGTCAACCCGCTATATGATGAACATCCGTAGGTATGTCCTTT

680

CHMP2B

CHMP2B-201

CHMP2B-201

CTGGCAGTCTCGGAATGGGGAGGGAGGGGATAACAGGCTCCAGTTAGGAAATGAAGTTGGGTCTGGGTTCAGTTGCTTCTTTAAGA
GACCGTCAGAGCCTTACCCCTCCCTCCCTATTGTCCGAGGTCAATCCTTTACTTCAACCCAGACCCAGTCAACGAAGAAATTCT

765

CHMP2B

CHMP2B-201

CHMP2B-201

ACACCCCATCAGTAAAGAGATGTGAAACAAATGCTTTTTTATTAAACCCAGTAGAAAAATAAACCCAAGGGAAGTGCCAGATT
TGTGGGGTAGTCATTTCTCTACACTTTGTTTACGAAAAAACTAATTGGGGTCATCTTTTTATTTGGGTTCCCTTCACGGGTCTAA

850

CHMP2B

CHMP2B-201

CHMP2B-201

TAGTTTTTCATAATGGATTTTTCTCCCTTATGATTATTTTTTGCCTAAAGAAAGAGATGGGGTATATATTGCTTTCATAGAAG
ATCAAAAGTATTACCTAAAAAGAGGGAATACTAATAAAAAACGGTTGATTTCTTCTCTACCCCATATATAACAGAAGTATCTTC

935

CHMP2B

CHMP2B-201

CHMP2B-201

TTAACATGTAAAGATAATTGTGTTGTTTCCCGCATTTAGCTTAATATCATCTTAAGCGGGGAAAAAAGTGAATGTAAAGGAATG
AAATTGTACATTTCTATTAACACAACAAAGGGCGTAAATCGAATTATAGTAGAATTCGCCCTTTTTTCACTTACATTTCTTAC

1020

CHMP2B

CHMP2B-201

CHMP2B-201

TACAAGTTTTATGGTGCTCATATGCGATGCCTATAATGTGTTTATATAACACTTGATGTTTTTCATTGATTGCTACCAGGAATTAA
ATGTTCAAAATACCACGAGTATACGCTACGGATATTACACAAATATATTGTGAACTACAAAAGTAACTAACGATGGTCCCTTAATT

1105

CHMP2B

CHMP2B-201

CHMP2B-201

ATTCATTCAAGTTATTTAAAAATTGTGTTCCCCATTATATGTTTAGTCTAGGTTGTTGCTGGTTCAACCAAAGAATCACTTCTTT
TAAGTAAGTTCAATAAATTTTTAACACAAGGGGTAATATACAAATCAGATCCAACAACGACCAAGTTGGTTTCTTAGTGAAGAAA

1190

CHMP2B

CHMP2B-201

CHMP2B-201

GTAAGGGTCTAATTCTGCCACAAAAGGAGCAGTGGTAGCTAGACAGTGATTGGTACAAATAGGGTGCTCAGTCCAGACCTGGACG
CATTCCCAGATTAAGACGGTGTTTTCTCGTACCATCGATCTGTCACTAACCATGTTTATCCCACGAGTCAGGTCTGGACCTGC

1275

CHMP2B

CHMP2B-201

CHMP2B-201

TAACTCCTTCATTCCTTTGTGTTGACTATTCCAATGCCAGCAAAATTATTTTGGGGAGGATAACAAAGAAGTCATCTCTGCTCTG
ATTGAGGAAGTAAGGAAACACAACCTGATAAGGTTACGGTCGTTTTAATAAAACCCCTCCTATTGTTTTCTTCAGTAGAGACGAGAC

1360

CHMP2B

CHMP2B-201

CHMP2B-201

CTGCTGTACACTTCATTTCAACACATAATCTACTTTACCTCTAATTTATCAGATGACATAATACATTTTTCTTACTCTGGGTGA
GACGACATGTGAAGTAAAGTTGTGTATTAGATGAAATGGAGATTAATAAGTCTACTGTATTATGTA AAAAAGGAATGAGACCCACT

1445

CHMP2B

CHMP2B-201

CHMP2B-201

CTGAACATTTTTTTGATTTATTGACTTTTTTATTAAGTACCATTTGCAATACCTGGAATAACTACCAACTTCGTATATTAGGTGAT
GACTTGTA AAAA AACTAAATAACTGAAAAATAATTCATGGTAAACGTTATGGACCTTATTGATGGTTGAAGCATATAATCCACTA

1530

CHMP2B

CHMP2B-201

CHMP2B-201

ACAGTGATGTGAAATGGATTTTATGTGTGCTTTTCATGAGAATGCTGCTTAATCTTTAATATGGCACTTTATTTTTTTCAGTGTTT
TGTCACTACACTTTACCTAAAATACACACGAAAAGTACTCTTACGACGAATTAGAAATTATACCGTGAAATAAAAAAGTCACAAA

1615

CHMP2B

CHMP2B-201

CHMP2B-201

TAGCTGCCACTGTTGTGAGCTTCACTTATTTTACAGTACTCCAGGGAGTGGGGGTGGGGGAACGATTTATTTTTCTTTTTGCTTGA
ATCGACGGTGACAACACTCGAAGTGAATAAAATGTCATGAGGTCCTCACCCCCACCCCTTGCTAAATAAAAAGAAAAACGAACT

1700

CHMP2B

CHMP2B-201

CHMP2B-201

GTTTTATATAGTTACAGTTTTTTTTTTGTTGTTTAGTTTTATATAGTGAGAATTTACTAAATGGAGAAAAATGGTTTTTCATCTCCT
CAAAATATATCAATGTCAAAAAAAAACAACAAATCAAAATATATCACTCTTAAATGATTTACCTCTTTTTTACC AAAAGTAGAGGA

1785

CHMP2B

CHMP2B-201

CHMP2B-201

TTACTGTGATGTTACAATTAGAGTTAATTTTTTTTTTAAACAATAAAAGCCAAGCATACTAGTTTTAATCGCCTAATACCTGTCAAA
AATGACACTACAATGTTAATCTCAATTA AAAAAA AATTGTTATTTTCGGTTCGTATGATCAAAATTAGCGGATTATGGACAGTTT

1870

CHMP2B

CHMP2B-201

CHMP2B-201

TATTTTCAAAGACATAAATCTCAGTTCTGTGCTTCCTGGTGCTTTTGGAAATTTAGTGACTATTGTACTTGAAGTGTAGAGGAGA
ATAAAAAGTTTCTGTATTTAGAGTCAAGACACGAAGGACCACGAAAACCTTTAAATCACTGATAACATGAACTTCACATCTCCTCT

1955

CHMP2B

CHMP2B-201

CHMP2B-201

GAAAAAAGACAATGGGGATGTGCAATGAGTGTTTAACTGTATACTCATTTGCAGTTAATTCTTCCAAGAAATAATGTTTTTGGCT
CTTTTTTCTGTTACCCCTACACGTTACTCACAAATTGACATATGAGTAAACGTCAATTAAGAAGGTTCTTTATTACAAAAACGA

2040

CHMP2B

CHMP2B-201

CHMP2B-201

GAATAGACTTATTTGTAAGAGTCTTAAGGACTCTTGCTAGGAACTATGCCACTAAATTAACCATATGTGCAATTTCCAAATGT
CTTATCTGAATAAACATTTTCTCAGAATTCCTGAGAACGATCCTTGATACGGTGATTTAATTGGTATACACGTTAAAGGTTTACA

2125

CHMP2B

CHMP2B-201

CHMP2B-201

AAATTTGGCCAGCAGGTACATTTACTATAAACTACCAAGATGCATACTTGATGTTTTCTTATATTATTGTGTCAATTCAGTCAT
TTTAAACCGGTCGTCCATGTAAATGATATTTGATGGTTCTACGTATGAACTACAAAAGAATATAATAACACAGTTAAGGTCAGTA

2210

CHMP2B

CHMP2B-201

CHMP2B-201

TTACTGACATCTTAATAAATAGATCTGTATTTTCGTTATTTTGATATAGAGCTTTACTTTTTTTATTCCCTGTTTTATTGAAAAGG
AATGACTGTAGAATTATTTATCTAGACATAAAAGCAATAAACTATATCTCGAAATGAAAAAATAAGGGACAAAATAACTTTCC

2295

CHMP2B

CHMP2B-201

CHMP2B-201

AAGTTTTTTTTTGTCTAAAAGGTGACAGCATTCTTCTTGGTAATGAGGCTGTATATTATGAATATGAAGTTTAAATGTATT
TTCAAAAAAAAAACAAAACAGATTTTCCACTGTGTAAGAAGAACCATTACTCCGACATATAATACTTATACTTCAAATTACATAA

2380

CHMP2B

CHMP2B-201

CHMP2B-201

TTTATGTCTCTCAGATCGTTGGATTGATCATGAGCTCTTTTATTGTATGCTGACTTTTTAAATCTGTTCCAGCAGTAATGAAATTC
AAATACAGAGAGTCTAGCAACCTAACTAGTACTCGAGAAAATAACATACGACTGAAAATTTAGACAAGGTCGTCATTACTTTAAG

2465

CHMP2B

CHMP2B-201

CHMP2B-201

TGATATATAAGGGAAACATGTACCTGCCTATAGATCTGGGGAATAATTGAATCTTTTTTCTGTGGATTGGCTGGAAGAGTTA
ACTATATATTCCCTTTGTACATGGACGGATATCTAGACCCCTTATTAACCTAGAAAAAGGACAAACCTAACCGACCTTCTCAAT

2550

CHMP2B

CHMP2B-201

CHMP2B-201

TATACTGTATCATTAAAGACTACTGCACATGTAAATTTAAAAGGAAGACAACATTACAGCACTTATTACTATTTCAGAGTTATGTT
ATATGACATAGTAATTTCTGATGACGTGTACATTTAAATTTTCTTCTGTTGTAATGTCGTGAATAATGATAAGTCTCAATACAA

2635

CHMP2B

CHMP2B-201

CHMP2B-201

TAATTCATTTTGACACAAAGATGAACAAGTCTCTGCGGTGTATACTTTGCTGTAGAAATTAATGAGAGGTATACCTCAAGAGAAG
ATTAAGTAAACTGTGTTTCTACTTGTTCAGAGACGCCACATATGAAACGACATCTTTAATTACTCTCCATATGGAGTTCTCTTC

2720

CHMP2B

CHMP2B-201

CHMP2B-201

GGAAGGATTCTTTGGAATTTGAAATTACAGTTGAGTACTACTTGGTTTTTCTTTTACCTGTGTAAGGATATACATATATATAGTG
CCTTCCTAAGAAACCTTAACTTTAATGTCAACTCATGATGAACCAAAAAGAAAATGGACACATTCTATATGTATATATATCAC

2805

CHMP2B

CHMP2B-201

CHMP2B-201

TGTTATGTTTACCTACAGTGTTTATTTTCCCCTTTGTAGATTAATAGTGACCTATTTAGGGAAGCTAATTATGAACCTGTAAAT
ACAATACAAATGGATGTCACAAATAAAAAGGGGGAAACATCTAATTATCACTGGATAAATCCCTTCGATTAATACTTGGACATTTA

2890

CHMP2B

CHMP2B-201

CHMP2B-201

CAGGATCCCCTAGGACTTGTACAAATGCACAACATAACATGCTTAAAAGTGAAGTTCTTTAAACACTATATAATTTTTTGTCTG
GTCCTAGGGTGATCCTGAACAGTGTTTACGTGTTGATTTGTACGAATTTCACTTCAAGAAATTTGTGATATATTA AAAACAGAC

2975

CHMP2B

CHMP2B-201

CHMP2B-201

TTAACCTCAGTAAAGACAAATTTGACTAAGCCAACACTGTGCTAAGCATTGTGCATGCCATGTCTTATTTCTCATAAAACATATA
AATTGGAGTCATTTCTGTTTAAACTGATTCGGTTGTGACACGATTCGTAACACGTACGGTACAGAATAAAGAGTATTTTGTATAT

3060

CHMP2B

CHMP2B-201

CHMP2B-201

AGTACTCATATAACATCCTTATAAAAATGAGAAAAGCAAAGGACTAAGTCGTGTGTTCAAGATCATACAGCTATTAAGTGTTCAGAA
TCATGAGTATATTGTAGGAATATTTTACTCTTTTCGTTTCCTGATTGAGCACACAAGTTCTAGTATGTCGATAATTCACAGTCTT

3145

CHMP2B

CHMP2B-201

CHMP2B-201

CTAGGACCTCATCCCTTTGAGTATTATTACTTTTTCTTATTAGAGATTGATACATGACACAGTTTAATTTTGTCTTTATCA
GATCCTGGAGTAGGGAAACTCATAATAATAATGAAAAAGAATAATCTCTAACTATGTAAGTGTCAAATTAACGAGAAATAGT

3230

CHMP2B

CHMP2B-201

CHMP2B-201

AGCACATGGAATTCTCAACTTTTTGGTAGATACCATGCAACGTTTACATTCTTTCTGGAACCAGACTTTTTCTTTGGAATTAGTGG
TCGTGTACCTTAAGAGTTGAAAACCATCTATGGTACGTTGCAAATGTAAGAAAGACCTTGGTCTGAAAAGAAAGCCTTAATCACC

3315

CHMP2B

CHMP2B-201

CHMP2B-201

TAGAACTTTACTTTCTAATGGTGGTGGAACTGGAAATAACCCACTCCTGACTCTCCCTGGACACAGCATTCTTCGAAAAGTATGG
ATCTTGAAATGAAAGATTACCACCACCTTGACCTTTATTGGGTGAGGACTGAGAGGGACCTGTGTCTGTAAGAAGCTTTTCATACC

3400

CHMP2B

CHMP2B-201

CHMP2B-201

CCAGTTTCTTTTTGCTTTTCATCTAAACCTTTTGAAGGAGTAGTGATGTCTTATCTCCACTTCTTTACTTAACAGACTGCCTCCC
GGTCAAAGAAAAACGAAAAGTAGATTTGGAAAACCTTCTCATCACTACAGAATAGAGGTGAAGAAATGAATTGTCTGACGGAGGG

3485

CHMP2B

CHMP2B-201

CHMP2B-201

CCACCTTACAGCAGTTTGCCTTGCATGGCATGCAATGAGATGTTGCTTAGATCATCAGTAACTTCTAGATTGTCAAATCTAATGG
GGTGAATGTCGTCAAACGGAACGTACCGTACGTTACTCTACAACGAATCTAGTAGTCATTGAAGATCTAACAGTTTATAGATTACC

3570

CHMP2B

CHMP2B-201

CHMP2B-201

CCATTATTAGTGAACATCTCTTGGGCCTATGTTTTGCATTTGATCCTGATAATTAATTTATTCTCTGAAATTCCTCTCTTAACT
GGTAATAATCACTTGTAGAGAACCCGGATACAAAACGTAACCTAGGACTATTAATTAATAAGAGACTTTAAGGGAGAGAATTGA

3655

CHMP2B

CHMP2B-201

CHMP2B-201

TCCAAGACATAGCACTCTCTTAATTTTCCTCAAATTCCTCTGACCACTCCTTTCTTTCTCCTTTCTGTATTTATTTTTTTTTTCTT
AGGTTCTGTATCGTGAGAGAATTAAGGAGTTTAAGGAGACTGGTGAGGAAAAGAAAGAGGAAAGACATAAATAAAAAAAAAAGAA

3740

CHMP2B

CHMP2B-201

CHMP2B-201

TTTCTTAAACCTACCCATTATATGTTAGTGTCTTCTTGGTTTCCTTCCTACGCTACCACTGTTCTAACTGCATTCTCTCCCTGCA
AAAGAATTTGGATGGGTAATATACAATCACAAGAAGAACCAAGGAAGGATGCGATGGTGACAAGATTGACGTAAGAGAGGGGACGT

3825

CHMP2B

CHMP2B-201

CHMP2B-201

TGATCTTATTTACTCCTATTTTAATTGTAACCTAAGTACTGATGGATCCCAAATTTGTGTCTCTAGATGTGTTTTGAGTTTCAG
ACTAGAATAAATGAGGATAAAATTAACATTGAATTCATGACTACCTAGGGTTTTAAACACAGAGATCTACACAAAACTCAAAGTC

3910

CHMP2B

CHMP2B-201

CHMP2B-201

GCCAGATATCCAACAATTTGCTGAATATCTGTACCTAGGTGTCTCACAGTACCTCAAACCTCAAGACCCCAAACAGAACTCATCAT
CGGTCTATAGGTTGTTAAACGACTTATAGACATGGATCCACAGAGTGTGATGGAGTTTGAGTTCTGGGGTTTGCTTTGAGTAGTA

3995

CHMP2B

CHMP2B-201

CHMP2B-201

CATATCCTTTGAGGTATCCTCTTCCAGTGTTGACAGTGCTTGATGTTGCCTTCTACCATCAACTAATTACCAAGTCATGCTTCTT
GTATAGGAAACTCCATAGGAGAAGGTCACAACCTGTCACGAACTACAACGGAAGATGGTAGTTGATTAATGGTTTCAGTACGAAGAA

4080

CHMP2B

CHMP2B-201

CHMP2B-201

TCGCTTCTTAAATATTGGACACATAGGATCTTCCTCTCTGTGTTTGAACCTCTTTCTCTATTTCAGATCCTACTTAACTTGCCT
AGCGAAGAATTTATAACCTGTGTATCCTAGAAGGAGAGACACAAACGTTGAGAAAAGGAGATAAGTCTAGGATGAATTGAACGTGA

4165

CHMP2B

CHMP2B-201

CHMP2B-201

TTACGATACCACCTTTTTGCTTTTCTTTCTGCTAGCTTCATAGCCCTTAAATCCTTCATCCACAAAGTTGGGTATGTGATTGAAA
AATGCTATGGTGGAAAAACGAAAAGAAAGGACATCGAAGTATCGGGAATTTAGGAAGTAGGTGTTTCAACCCATACACTAACTTT

4250

CHMP2B

CHMP2B-201

CHMP2B-201

CTTGAACCCAAATCTGACTATGTTACTCCTCAGTGTAACCCCTTTATGAAATCTCTGGCACCAACAGGATCCACTGTGAGTGTT
GAACTTGGGTTTAGACTGATACAATGAGGAGTCACATTTGGGGAAATACTTTAGAGACCGTGGTTGTCTTAGGTGACACTCACAA

4335

CHMP2B

CHMP2B-201

CHMP2B-201

TTAATAATGCGTGATGGCTCTCCTTGAACCTGGCCCTTCCCTTTCTTTCTAGCCATGTCTCTGGACATTTTAGCATCCAGCAGCA
AATTATTACGCACATACCGAGAGGAACTTGACCGGGAAGGGAAAGAAAGATCGGTACAGAGACCTGTAAAATCGTAGGTCGTCGT

4420

CHMP2B

CHMP2B-201

CHMP2B-201

CTGTTCTTCTGTTTCATTGTTATCTCCCATACTCTTTCTCACCCCTGACATATTTTTGCTTTTGATGCCCTTATGCCTAGAATTCCTC
GACAAGAAGACAAGTAACAATAGAGGGTATGAGAAAGAGTGGGACTGTATAAAAACGAAAACCTACGGGAATACGGATCTTAAGGG

4505

CHMP2B

CHMP2B-201

CHMP2B-201

TTTTTATCTTCTCTAGCTAAGCTGAACTATCCTAGGTTTATTTCTTCTCAAAGTCTCTATGAAGTACTCCTTATGTTCCCTTT
AAAAATAGAAGGAGATCGATTGACTTGATAGGATCCAAATAAAGAAGAGTTTTAGAGATACTTCATGAGGAATACAAGGGGAAA

4590

CHMP2B

CHMP2B-201

CHMP2B-201

TGTGGCATTCTTTCTGACTTGGATTCACTAGAACCATAGTAGACCCTCCTGCACTTTCAAAGTTGGATAATGCTTATTCTGTCT
ACACCGTAAAGAAAGACTGAACCTAAGTGATCTTGGTATCATCTGGGAGGACGTGAAAGTTTCAACCTATTACGAATAAGACAGA

4675

CHMP2B

CHMP2B-201

CHMP2B-201

CTTCTACATTCCATATTTGTAAGGGGCTTCAGAGTCTTCAGCAGAAATGAAAATATATCTGCAAGAGTTTCTAATTTAGAGATTA
GAAGATGTAAGGTATAAACATTCCCGAAGTCTCAGAAGTCGTCTTTACTTTTATATAGACGTTCTCAAAGATTAAATCTCTAAT

4760

CHMP2B

CHMP2B-201

CHMP2B-201

AATATCTAAAATAATATCATTTACTAACCAAAGTAGTATTCCAATATCCAGGGCTTAGAAGAGTCTGGATCCACACTTTGCCACC
TTATAGATTTTATTATAGTAAATGATTGGTTTCATCATAAGGTTATAGGTCCCGAATCTTCTCAGACCTAGGTGTGAAACGGTGG

4845

CHMP2B

CHMP2B-201

CHMP2B-201

CACTGTGAACTTTAGTGCAAGTTAGAGGTAATTTGAAGAACACTACAGAGAGAAGAGGAACAAAGCTTCTTGGCTTTTGCCTCAT
GTGACACTTGAAATCACGTTCAATCTCCATTAAACTTCTTGTGATGTCTCTCTTCTCCTTGTTTCGAAGAACCAGAAACGGAGTA

4930

CHMP2B

CHMP2B-201

CHMP2B-201

TGGGATGATATTTGTATATGCTAGTTGTCTAGAGTTCAAAAAGTGTGAGGTTTTGACTAAGTTGGGATAAATCCCCTTTCAATGT
ACCCTACTATAAACATATACGATCAACAGATCTCAAGTTTTTGACACTCCAAAAGTATTCAACCCTATTTAGGGGAAAAGTTACA

5015

CHMP2B

CHMP2B-201

CHMP2B-201

ATTAGTTGTGATGCCACATTTCTGATGTTAAAAGGAAATAAAACGGAAATACCCTTCAGAAACATTTTTTCTGTATTCCAGAATAA
TAATCAACACTACGGTGTAAAGACTACAATTTTCTTTATTTTGCCTTATGGGAAGTCTTTGTAAAAAAGACATAAGGTCTTATT

5100

CHMP2B

CHMP2B-201

CHMP2B-201

AATACACTATTCTCATGGTGGTACCTGCAGAATTCAGATCTTTCCAGGATGCTATGTGTTCCCTTTAGTGCTCCTTATTCTGGAT
TTATGTGATAAGAGTACCACCATGGACGTCTTAAGTCTAGAAAAGGGTCTTACGATACACAAGGAAATCACGAGGAATAAGACCTA

5185

CHMP2B

CHMP2B-201

CHMP2B-201

ATTTAAAAAAGTCAAATTTTACTTTCTACTTAACCCCTACATTTCTTGACATACCAAAGAAAAATAATTGAACATGGGATTGAGGA
TAAATTTTTTTGAGTTTTAAAATGAAAGATGAATTGGGGATGTAAGAACTGTATGGTTTTCTTTTTATTAACCTTGATACCCTAACTCCT

5270

CHMP2B

CHMP2B-201

CHMP2B-201

ACACAGTATACTCTTCTGAGCATTTTTCTTAGAAAAACATTTCTCCCTACTTTTAGAATAGATATTTCTGTAGGAAAAATGTGTTCC
TGTGTCATATGAGAAGACTCGTAAAAGAATCTTTTTGTAAGAGGGATGAAAATCTTATCTATAAAGACATCCTTTTTACACAAGG

5355

CHMP2B

CHMP2B-201

CHMP2B-201

CTCTGTATTTCTGCATCCCCAGCATGACAACAAAGACAGACATTTCTTTCTGGCTACCATTTCTTATCTTCAGGTCCATTGGCC
GAGACATAAAGACGTAGGGGTCGTACTGTTGTTTCTGTCTGTAAAGGAAAGACCGATGGTAAAGGATAGAAGTCCAGGTAACCGG

5440

CHMP2B

CHMP2B-201

CHMP2B-201

TGTGAGGCTTTTCTTCCAGGACACATTGCCTCTCATTCTCTCATTTATCTAAGATGAAAAATGTGCTTTGACAGTTTTCTGAACT
ACACTCCGAAAAGAAGGTCCTGTGTAACGGAGAGTAAGAGAGTAAATAGATTCTACTTTTTTACACGAAACTGTCAAAAAGACTTGA

5525

CHMP2B

CHMP2B-201

CHMP2B-201

GCAGTTTTATTGATGATGTTACTAAAGCCTTTGCCGTTGAGGACCAAACAAGACTCAAAAGTCTACTGACATGTGCCCATCTCAA
CGTCAAAAATAACTACTACAATGATTTTCGGAACGGCAACTCCTGGTTTGTCTGAGTTTTTTCAGATGACTGTACACGGGTAGAGTT

5610

CHMP2B

CHMP2B-201

CHMP2B-201

AACCATCTTTTAGCTCTTGAAAACAGTGGCATTTTTTATGTTTATAAATTGGTTTCACATGAATTCCTCAGGGCTTGAGTGACTTT
TTGGTAGAAAATCGAGAACTTTTGGTCACCGTAAAAATACAAATATTTAACCAAGTGTACTTAAGGAGTCCCGAACTCACTGAAA

5695

CHMP2B

CHMP2B-201

CHMP2B-201

TGAGAGTTACTAGTAGGAGAAAAAATTATTTTTGCTACCGCATATGCTACTGTAGGGCTTGGCTTGACTCCCCAATTTCTCTTC
ACTCTCAATGATCATCCTCTTTTTTTAATAAAAACGATGGCGTATACGATGACATCCCGAACCGAACTGAGGGGTTAAAGAGAAG

5780

CHMP2B

CHMP2B-201

CHMP2B-201

AGTATTTTGCCTCTTCCAAGTCTGCTGTTTTTTCAGTTTTAAACCTGGTTCTTAAGTTAGTTGGCTCTCTTGACGATGTCTAGGTA
TCATAAAACGGAGAAGGTTTCAGGACGACAAAAAGTCAAATTTGGACCAAGAATTCAATCAACCGAGAGAAGTCTACAGATCCAT

5865

CHMP2B

CHMP2B-201

CHMP2B-201

GAATAAAGCTGTTGGCATGATCCCCCTTTGTTCTTTTTGTTTTCTATAGTTGCCTTTTTGTTTTCTTTTTACCGTGTATTAGA
CTTATTTTCGACAACCGTACTAGGGGGAAAACAAGAAAAACAAGAGATATCAACGGAAAAACAAGAAAAATGGCACATAATCTTGA

5950

CHMP2B

CHMP2B-201

CHMP2B-201

GATTAGTTAAGCTGATAATATTTGTCCCTGAGTGTGATATACCATTTCCAAAACCTGAGAAGCAAATTTGGTTTGCATATCAA
CTAATCAATTCGACTATTATAAACAGGGACTCACAGTCTATATGGTAAGGGTTTTGGACTCTTCGTTTAAACCAAACGTATAGTT

6035

CHMP2B

CHMP2B-201

CHMP2B-201

ATTCTAATTACTTTGTACCCACTCTCACTGTCATTTTCTTCTGCATTTTGAGTAAATCTTGTTCCTAGAACCGGAACCTTTCTGGA
TAAGATTAATGAAACATGGGTGAGAGTGACAGTAAAAGGAAGACGTAAACTCATTTAGAACCAAGGATCTTGGCCTTGAAAGACCT

6120

CHMP2B

CHMP2B-201

CHMP2B-201

TAGTGACCTTTAATATTTCTTTTTAATGCCTTAGCTTTTGTGATTTGTCATATTTTTGCAGTTTTTTTTTCTCTTCATCAAGTCAA
ATCACTGGAAATTATAAAGAAAAATTACGGAATCGAAAACTCAAACAGTATAAAAAACGTCAAAAAAAAAAGAGAAGTAGTTTCAGTT

6205

CHMP2B

CHMP2B-201

CHMP2B-201

GATGAAACATCCTTACGTAGCCAGGACTTCTTTTCACTTTACTGTTTCATTGGCAAGCTCCATCATGCCTAGTTAGCTGAATTGAC
CTACTTTGTAGGAATGCATCGGTCTGAAGAAAAGTGAAATGACAAGTAACCGTTCGAGGTAGTACGGATCAATCGACTTAACTG

6290

CHMP2B

CHMP2B-201

CHMP2B-201

GCTCACTCTGGGCTTTTCTTATATCCATAGCACAAATCAGGATTTGTCCAGTGCTGTTACCAGTGTCCACAGTGCCCACTATTCCCA
CGAGTGAGACCCGAAAAGAATATAGGTATCGTGTAGTCTTAAACAGGTCACGACAATGGTCCACAGTGTCCACGGGTGATAAGGGT

6375

CHMP2B

CHMP2B-201

CHMP2B-201

CTGACACTAGCTGTTACAGAGCTTGCAGGTAAAGTCTAAAGTAGAAGCTACCTCTTCCCTGGAGATCTTGATACCTTAAAACAG
GACTGTGATCGACAATGTCTCGAACGTCCATTTTCAGATTTTCATCTTCGATGGAGAAGGGACCTCTAGAACTATGGAATTTTGGTC

6460

CHMP2B

CHMP2B-201

CHMP2B-201

TTAATGGAGATTATAAAGTAGGATGTGGGAACATTTTGTCTATCTCAATTGATATGATGATTAGGTTTAGAGTAACTGATAGG
AATTACCTCTAATATTTTCATCCTACACCCTTGTAAAACAAAGATAGAGTTAACTATACTACTAATCCAAATCTCATTGACTATCC

6545

CHMP2B

CHMP2B-201

CHMP2B-201

CAATAAAATCAATAGATAAAAAATGTATTTTCTCAAAAGAAATACATTTAATAGTAGGAAATTTGGCTTATTAGATTAAAAAGTCT
GTTATTTTAGTTATCTATTTTACATAAAAGAGTTTCTTTATGTAAATTATCATCTTTAAACCGAATAATCTAATTTTTCAGA

6630

CHMP2B

CHMP2B-201

CHMP2B-201

GTTATGACCTTATAGTGAAAAACACAGCATACAGTATAGTGGCTACTTCTCTAGTAGATCAGCTTGAATCCTGCTGACCGATGGT
CAATACTGGAATATCACTTTTTTGTGTCGTATGTCATATCACCGATGAAGAGATCATCTAGTCGAACTTAGGACGACTGGCTACCA

6715

CHMP2B

CHMP2B-201

CHMP2B-201

GATTTGCATACTGTCCCAGCATTCTTGAGGCATTTCATCCTGAACTGCCTTGCAAACCTTGAGATAGCTCCCCACCTTCCCCAAAA
CTAAACGTATGACAGGGTCGTAAGAACTCCGTAAGTAGGACTTGACGGAACGTTTGAACCTCTATCGAGGGGTGGAAGGGGGTTTT

6800

CHMP2B

CHMP2B-201

CHMP2B-201

GAAAGGCACCTTTAAATAGTATTACTCACAAATTAATGAATGTCCATATTTATACTTGATAATTACTTTTTGCTTTTATCCTCAA
CTTCCGTGAAATTTATCATAATGAGTGTTTAATTACTTACAGGTATAAATATGAACTATTAATGAAAAACGAAAAATAGGAGTTT

6885

CHMP2B

CHMP2B-201

CHMP2B-201

TGTACAAATTATATCTGAACTAATGGTAGGGAGGACAGGCATGATTCAAGTTGGGGCTTGGCCTCAAACCCCAAGTAGAGAATTC
ACATGTTTAATATAGACTTGATTACCATCCCTCCTGTCCGTAAGTTCAACCCCGAACCGGAGTTTGGGGTTCATCTCTTAAG

6970

CHMP2B

CHMP2B-201

CHMP2B-201

TGGTGAGCTAGACTGGACCACATGGGAGACCTTTTTTGTGTTTGTGTTTTATTTTTATTTTTGACTTTTTTATTTTTGTAAAGCAG
ACCACTCGATCTGACCTGGTGTACCCTCTGGAAAAACAAAAACAAAAATAAAAAATAAAAACTGAAAAATAAAAAACATTCGTC

7055

CHMP2B

CHMP2B-201

CHMP2B-201

ATAAACCATATTGACTCAGAACCAAAAAAGGCAGAAACACCTTGTGTCTCTTAAGTCCAAGACTTAAGTCTATGATCTCATCACT
TATTTGGTATAACTGAGTCTTGGTTTTTTCCGTCTTTGTGGAACACAGAGAATTCAGGTTCTGAATTCAGATACTAGAGTAGTGA

7140

CHMP2B

CHMP2B-201

CHMP2B-201

CTACTGTAGACCTGTGTATTTCTTTCAGTAAGAAGAACCTGAAAGACTTGAGATAGGCTTTTAATGCCAGAGTGGAGCCGGCCT
GATGACATCTGGACACATAAAGGAAGTCATTCTTCTTGGACTTTCTGAACCTCTATCCGAAAATTACGGGTCTCACCTCGGCCGGA

7225

CHMP2B

CHMP2B-201

CHMP2B-201

GGGTGGCCTTTTCTTAAGTGTGCTGGGCATGGGTGAAAAGAGGGTGGTGGATGAATCAAGCTTCCAGACCCCTTTTATCTCA
TATGTTACCTTTTCTTCCACCACCTACTTAGTTTCGAAGGTCTGGGAAAAATAGAGT
CCCACCGGAAAAAGAATTCACAACACGACCCGTACCCACTTTTCTCCACCACCTACTTAGTTTCGAAGGTCTGGGAAAAATAGAGT

7310

CHMP2B

CHMP2B-201

CHMP2B-201

CTGAATGGTAAGAGAGAGAATATACCATATCATATCCATGTACCTTTGGCATTTTTACAGTGTGAAGTTTTCTATTACCACCTAT
GACTTACCATTCTCTCTTATATGGTATAGTATAGGTACATGGAAACCGTAAAAATGTCACACTTCAAAAAGATAATGGTGGATA

7395

CHMP2B

CHMP2B-201

CHMP2B-201

TATGATGTCTTTGAAACAAACCACAAGGTAGATGAAGTCCTAGAGAATGAAAAATTGAGTGTATACCTTTATCTGCCTGAAGAAA
ATACTACAGAAACTTTGTTTGGTGTTCATCTACTTCAGGATCTCTTACTTTTTAACTCACATATGGAAATAGACGGACTTCTTT

7480

CHMP2B

CHMP2B-201

CHMP2B-201

GAAGCAGAGGATAGACAGGAGTCAAGCACTCCATCTCTCTTAGGTGGCAGCAGTACCCTGTACATGTTTTCTGTCATGATCTTGCC
CTTCGTCTCCTATCTGTCTCAGTTCGTGAGGTAGAGAGAATCCACCGTCGTTCATGGGACATGTACAAAGACAGTACTAGAACGG

7565

CHMP2B

CHMP2B-201

CHMP2B-201

TCACATTGAAAAATCGGGGAAGTAGAAAAGTTATAAGGAAAAACAGCCAATTATTTCAATGTTTCACATTTCCATTGTAGAAAAGCTA
AGTGTAACCTTTTTAGCCCTTCATCTTTCAATATTCCTTTTTGTCGGTTAATAAAGTTACAAAGTGTAAGGTAACATCTTTTCGAT

7650

CHMP2B

CHMP2B-201

CHMP2B-201

CCTATCATGTTTCATATTTTACTATTGTTAAATTATCTTTTTTGACAACTGATTTTGTGTTTACATTTTAAAGACGTGTTAAATAT
GGATAGTACAAAGTATAAAATGATAACAATTTAATAGAAAAAACTGTTGACTAAAAACAAAATGTA AAAATTTCTGCACAATTTATA

7735

CHMP2B

CHMP2B-201

CHMP2B-201

GCCTGTAAGAGGAATCCTTTTACATTTTCAATGTATATGTTTGTACTCCCATAGATCGCTAGTAAGTATGATATATTGGTATGCTA
CGGACATTCTCCTTAGGAAAGTGTAAGTTACATATACAACATGAGGGTATCTAGCGATCATTACTACTATATAACCATACGAT

7820

CHMP2B

CHMP2B-201

CHMP2B-201

TTTGCATGAAGAAAGGTGGGACTACAAACAAGCAAATAAAATAAATATATGTATTCCCTTCTCTTAAAGAGATTGTAATCTTGGGA
AAACGTA CT TCTTTCCACCCTGATGTTTGTTCGTTTATTTATTTATATACATAAGGGGAAGAGAATTTCTCTAACATTAGAACCCT

7905

CHMP2B

CHMP2B-201

CHMP2B-201

TGGAATCATACCTACTAAGAAATAAATCTAGTGGATAATAAATTTGGCTGTAAAAACATTAAAATTGCCTCAGACCGTTCTCATA
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7990

CHMP2B

CHMP2B-201

CHMP2B-201

TTATTCCTTCTGTATTATCTAGAAGACCAAATTATTAATGTGGATTTAATATAGAGATTGTTTTAAAAAGAGAAGAGTAATATG
AATAAGGAAGACATAATAGATCTTCTGGTTTAATAATTTACACCTAAATTATATCTCTAACAAAATTTTTCTCTTCTCATTATAC

8075

CHMP2B

CHMP2B-201

CHMP2B-201

TTAGTTTTATAGTATATTTCTATTGTCTCGTATGAAAATATGTTTTACTGTCTTTTCCTACTTACCATAATATGTTTTAAGGTGT
AATCAAAATATCATATAAAGATAACAGAGCATACTTTTATACAAAATGACAGAAAAGGATGAATGGTATTATACAAAATTCACA

8160

CHMP2B

CHMP2B-201

CHMP2B-201

TGTGATTATGTTTTAGTATGTAACATTAGCCGCTCTGAGTTTATAGCTTAGAACTGTTTAAATATTAATAGGCCTATTAACA
ACACTAATAACAAAATCATAATTGTAATCGGCGAGACTCAAATATCGAATCTTGACAAAATTTATAATTATCCGGATAATTGTTGA

8245

CHMP2B

CHMP2B-201

CHMP2B-201

ATGAGGCTGTGGAATATGCAGTAGTTAATTTCTTTATTTTCTTTTATGATATACAGTGACTGTTATGATACATATAGTTACA
TACTCCGACACCTTATACGTCATCAATTAAGAAATAAAAAAGGAAAATACTATATGTCACTGACAATACTATGTATATCAATGT

8330

CHMP2B

CHMP2B-201

CHMP2B-201

TTATATTGAGAAAAATTAACCTATTTTAATTAATTAACATGTTTTGTTGAATTCTCATGTAATAATACTTGTTTTTTCAGTAAAGA
AATATAACTCTTTTAAATTTGATAAAATTAATTTAATGTACAAAACAACCTTAAGAGTACATTATTATGAACAAAAGTCATTTCT

8415

CHMP2B

CHMP2B-201

CHMP2B-201

TGGCTATATCTAGCCTTGACTCTGATTCTCAGACACCTATTGGGTGTTTCAGCAATTCAGTTCACCTTCTGACGGTAATTATCTAGA
ACCGATATAGATCGGAACTGAGACTAAGAGTCTGTGGATAACCCACAAGTCGTTAAGTCAAGTGAAGACTGCCATTAATAGATCT

8500

CHMP2B

CHMP2B-201

CHMP2B-201

GTTAGGGCAGACCCTATAGGTGAAAGACAGTCCCACAAGACTGCCCTACTTCAGATGCCACTTGAAAGACGCAGATTGTGCTTCT
CAATCCCGTCTGGGATATCCACTTTCTGTGACGGGTGTTCTGACGGGATGAAAGTCTACGGTGAACCTTTCTGCGTCTAACACGAAGA

8585

CHMP2B

CHMP2B-201

CHMP2B-201

GGTGAGTACTTCTGACTGACCAGGGTTTTCTACAACCTTCATCTTCAACTTTGATAATTCAGTGGACAACCTCTCAGAACTCATC
CCACTCATGAAGACTGACTGGTCCCAAAAGGATGTTGAAGTAGAAGTTGAAACTATTAAGTGATCCTGTTGAGAGTCTTGAGTAG

8670

CHMP2B

CHMP2B-201

CHMP2B-201

AGAGTGCTTTATTTACTGTTACTGGTTTTATTTTAAAGTATACAATTAGTAATAGCCAAATGGAAGTGATCCATAGGTCAAGGGTC
TCTCACGAAATAAATGACAATGACCAAATAAAATTTTCATATGTTAATCATTATCGGTTTACCTTCACTAGGTATCCAGTTCCCAG

8755

CHMP2B

CHMP2B-201

CHMP2B-201

GAAGGTGGAGGACAGAGCTCCCATGCCCTCTCTGTGTGTGCCATCTTCTAGCATATCAGTGTGTTCCACCAATTGAGAGGTTCTC
CTTCCACCTCCTGTCTCGAGGGTACGGGAGAGACACACACGGTAGAAGGATCGTATAGTCACACAAGTGGTTAACTCTCCAAGAG

8840

CHMP2B

CHMP2B-201

CHMP2B-201

TGAATCTCTTAGGTAAGGTTTTTTTTATAACCTAATCTCAAGCACCCACCTCTCCTGACATATGGGGGTGGAGTTAAAAGTTCCCA
ACTTAGAGAATCCATTCCAAAAAATATTGGATTAGAGTTCGTGGGTGGAGAGGACTGTATACCCACCTCAATTTTCAAGGGT

8925

CHMP2B

CHMP2B-201

CHMP2B-201

CCCTTTAGTCAAGTGTTTGGTCTTTCTGGTGACTAACCTCATCCTGAGGCTATCAGCTACCCTCCACACCTACCCCATATACTC
GGGAAATCAGTTCACAAACCAGAAAGACCACTGATTGGAGTAGGACTCCGATAGTCGATGGGAGGGTGTGGATGGGGTATATGAG

9010

CHMP2B

CHMP2B-201

CHMP2B-201

AGATATGGTACAAAGAAGCTTGTGTTGTGAATAACAAAAGACATTCCTATCATTTCAGGAAATTCCTCAAGGGTTTTAGGCCCTCTGTGC
TCTATACCATGTTTCTTCGAACAACACTTATTGTTTTCTGTAAGGATAGTAAGTCCTTTAAGGTTCCCAAAATCCGGGAGACACG

9095

CHMP2B

CHMP2B-201

CHMP2B-201

CAGGCACCCAGGATGAAGACCACATTTATATTTTTAATATCACCCCTCGTAATGAAAAAAAAATGTATGTAGATAGAATTTTAGAT
GTCCGTGGGTCTACTTCTGGTGTAAATATAAAAATTATAGTGGGAGCATTACTTTTTTTTTACATACATCTATCTTAAATCTA

9180

CHMP2B

CHMP2B-201

CHMP2B-201

CTTAACTTTTCAGCAGTTGCTGTGCACCTGTGTCAATTATCTGGCCACAGTTTAACTTCTGAGTATAGTGGCTTGTCTTTCTGAGC
GAATTGAAAGTCGTCAACGACACGTTGACACAGTTAATAGACCGGTGTCAAATTGAAGACTCATATCACCGAACAGAAAGACTCG

9265

CHMP2B

CHMP2B-201

CHMP2B-201

AGTATTGTTGTAGCTTGTATAAGACCATCATCACCCACCGAGCATGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCGAG
TCATAACAACATCGAACATATTCTGGTAGTAGTGGTGGCTCGTACCACCGAGTGTGGACATTAGGGTCGTGAAACCTCCGGCTC

9350

CHMP2B

CHMP2B-201

CHMP2B-201

GCGGTTGGATCACCTGAGGTCAGAAGTTCGAGATCAGCCTGGCCAACATGGTGAAACCCCGTCTCTACTAAAAATACCTAAAAAT
CGCCAACCTAGTGGACTCCAGTCTTCAAGCTCTAGTCGGACCGGTTGTACCACTTTGGGGCAGAGATGATTTTTATGGATTTTTA

9435

CHMP2B

CHMP2B-201

CHMP2B-201

ACAAAAATTAGCCAGGCATGGTGGCGCATGCCTGTAATCTCAGCTACTTGGGAAGCTGAGGCAGGAGAATCGCTTGAACCTGGGA
TGTTTTTAATCGGTCCGTACCACCGGTACGGACATTAGAGTGCATGAACCCTTCGACTCCGTCTCTTAGCGAACTTGGACCCT

9520

CHMP2B

CHMP2B-201

CHMP2B-201

GGCGAACCGAGATCATGCTGTTGTAAGTCTCCAGTCTGGGTGACAAGAGCAAAACTCCATCTCAAAACAAAACAAAACAAAACATCAC
CCGCTTGGCTCTAGTACGACAACATGAGGTCAGACCCACTGTTCTCGTTTTGAGGTAGAGTTTTGTTTTGTTTTGTTTTGTAGTG

9605

CHMP2B

CHMP2B-201

CHMP2B-201

TATCTGATACTGTCAATTCATCTTATACTAGTTGAGTTTAGGGAGTCCTTAGTCCTTAGTACACAAAGGGGTTGTA
CTCCAGAAAG
ATAGACTATGACAGTTAAGTAGAATATGATCAACTCAAATCCCTCAGGAATCAGGAATCATGTGTTTTCCCAACATGAGGTCTTC

9690

CHMP2B

CHMP2B-201

CHMP2B-201

TTCATTTATTATTTAAGTTTAAAAATTAGAGCACATTTTCTATGGAAACAGTGGGGTAAGTGGTAAATGTTTTTTATATCAGTCC
AAGTAAATAATAAATTCAAATTTTAAATCTCGTGTA AAAAGATACCTTTGTACCCCATTCACCATTTACAAAAAATATAGTCAGG

9775

CHMP2B

CHMP2B-201

CHMP2B-201

ATTGGCTTTGACAAAATAGGGAAGTAAGTCCAAAAGAGGATCGAGTGTGTTTGGGTGTTGGCGGATGAAGAGGTTTCATGATTCCT
TAACCGAAACTGTTTTATCCCTTCATTCAGGTTTTCTCCTAGCTCACACAAACCCACAACCGCCTACTTCTCCAAGTACTAAGGA

9860

CHMP2B

CHMP2B-201

CHMP2B-201

TTGAAAGACAGGGAAATGAGAGCATT TTTGTTATTTGGGGTCAGCCTATAGATGTCTGAGGAAAGATGTGTATTATGGGCTGAAT
AACTTTCTGTCCCTTTACTCTCGTAAAAACAATAAACCCAGTCGGATATCTACAGACTCCTTTCTACACATAATACCCGACTTA

9945

CHMP2B

CHMP2B-201

CHMP2B-201

TGTCCCCCTGCCTCCACAAATTCATATGACAAAGCTCTGACCACTCATGTGACTGTATTTGGGGATAGGGCCCTTAAGTATGTA
ACAGGGGGGACGGAGGGTGTTAAGTATACTGTTTCGAGACTGGTGAGTACACTGACATAAACCCCTATCCCGGGAATTCATACAT

10,030

CHMP2B

CHMP2B-201

CHMP2B-201

ATCGAGGTTAAATAAAGTCAGATGGGGCCCTGATTCAATGACTGCTATCCTTAGAAGAAGAGAAAAGATCCACAAGGAAAAGGCCA
TAGCTCCAATTTATTTTCAGTCTACCCCGGACTAAGTTACTGACGATAGGAATCTTCTTCTCTTTCTAGGTGTTTCTTTTCCGGT

10,115

CHMP2B

CHMP2B-201

CHMP2B-201

TCTGAGAACACAGCAAGAAGGTGGCCATCTGCAAGCCAAGGAGAGAGGCCTCAGGAAAAATTAACCTGCTGGCACCTTGACTCC
AGACTCTTGTGTCGTTCTTCCACCGGTAGACGTTCCGGTTCCTCTCCTCCGGAGTCCTTTTTAATTTGGACGACCGTGGAACCTGAGG

10,200

CHMP2B

CHMP2B-201

CHMP2B-201

TTTCAGCCATCTGAACTATGAGAAAATACGTTTTTCATTGTTTAAAGCCATCTACTTTGCGATATTTTCATTGTGGCAGCCCTGGCAA
AAAGTCGGTAGACTTGATACTCTTTTATGCAAAAAGTAACAAATTCGGTAGATGAAACGCTATAAAGTAACACCGTCGGGACCGTT

10,285

CHMP2B

CHMP2B-201

CHMP2B-201

ACTAATACAGCATGTTCCAATCCATGCTCTAGGGGACACTAGTATCTAGGAAATATTAATAGATATTTCTTAAAAACAGTTCTTA
TGATTATGTCGTACAAGGTTAGGTACGAGATCCCCTGTGATCATAGATCCTTTATAATTATCTATAAAGAATTTTTGTCAAGAAT

10,370

CHMP2B

CHMP2B-201

CHMP2B-201

ATACGTTTGGTCAATAATCTATGATAGGTTCTTCATTTAAGGATTGACAATGCATACCCATGTATTAAACATTCCCAGAAGCCTT
TATGCAAACCAGTTATTAGATACTATCCAAGAAGTAAATTCCTAACTGTTACGTATGGGTACATAATTTGTAAGGGTCTTCGGAA

10,455

CHMP2B

CHMP2B-201

CHMP2B-201

GAAGCAAAGAAATGTGTTTAAATTTTTTTTTTTCAGTTTCAACATTTCCCAAATATATTTATCTGTGGATCATCCATGCCCTCTCTTT
CTTCGTTTCTTTACACAAATTAATAAAGTCAAAGTTGTAAGGGTTTATATAAATAGACACCTAGTAGGTACGGGAGAGAAA

10,540

CHMP2B

CHMP2B-201

CHMP2B-201

TAAATGAAATGTATGTTTCCCATCAAGTCTCACTCATTTTGAAGAAGAAAGTAGGTGGCAGGAGAGAAAAGCCCCGTCTTCTTT
ATTTACTTTACATACAAAGGGTAGTTCAGAGTGAGTAAATCTTCTTCTTTTATCCACCGTCCTCTCTTTTCGGGGCAGGAAGAAA

10,625

CHMP2B

CHMP2B-201

CHMP2B-201

ATCTCTGTTAGAGATGTGCTATGGTTTTCATATTCCTGTATTTCAACAATAGGTAGAATAAATACCTCATTAGTAGATCCTGAGTA
TAGAGACAATCTCTACACGATACCAAAGTATAAGGACATAAAGTTGTTATCCATCTTATTTATGGAGTAATCATCTAGGACTCAT

10,710

CHMP2B

CHMP2B-201

CHMP2B-201

TTAGATGCCACCAGTATAAAATTGAGAAACAGAATAGGCAAAGGAGATACGATAGATGTCTTGTAGGTAGGATATAGGAGCTTT
AATCTACGGGTGGTCATATTTAACTCTTTGTCTTATCCGTTTCTCTATGCTATCTACAGAACATCCATCCTATATCCTCGAAA

10,795

CHMP2B

CHMP2B-201

CHMP2B-201

GACATCTTATTTTAGCTTTTATTCAGAAAAGTAATTGTGGTTGATTAGTTTTATCAATATGACTGTAGTAAC TATTA ACTGTAAC T
CTGTAGAATAAAAATCGAAAATAAGTCTTTTCATTAACACCAACTAATCAAAAATAGTTATACTGACATCATTGATAATTGACATTGA

10,880

CHMP2B

CHMP2B-201

CHMP2B-201

ATTATAACTATAGAATAACTATAATTATCCTAAAAAAGATAAAGATTTTTGGCTTTTGATGTTTTAATTGAAGTTAAATTCATATA
TAATATTGATATCTTATTGATATTAATAGGATTTTTCTATTTCTAAAAACCGAAACTACAAAATTAAC TTTCAATTTAAGTATAT

10,965

CHMP2B

CHMP2B-201

CHMP2B-201

ACATTAACCATTTTAAAGTGAACAGTTCAGTGGCATTAGTACATTCATTCACAATGGTGTGTTACCACTACCTGTATCTAGTTC
TGTAATTGGTAAAATTTCACTTGTCAAGTCACCGTAAATCATGTAAGTAAGTGTACCACACAATGGTGATGGACATAGATCAAG

11,050

CHMP2B

CHMP2B-201

CHMP2B-201

TAAAACATTTTCATCACCTCAAAAATAAAATCCTGTACCCATTAAGCAGTTCACAATGGTGTGTTACCACCACCTGTATCTAGTTC
ATTTTGTAAAAGTAGTGGAGTTTTATTTTAGGACATGGGTAATTCGTCAAGTGTACCACACAATGGTGGTGGACATAGATCAAG

11,135

CHMP2B

CHMP2B-201

CHMP2B-201

TAAAACATTTTCATCACCTTAGAATAAAATCCTGTAACCATTAAGCAGTGACTTAACCATTGTCTCTTCTCCCAACCCCTGCCA
ATTTTGTAAAAGTAGTGGAAATCTTATTTTAGGACATTGGTAATTCGTCACTGAATTGGTAACAGAGAAGAGGGGTTGGGGACGGT

11,220

CHMP2B

CHMP2B-201

CHMP2B-201

TATACCAATTTGTTCTGTCTGTATGGAATTACCTCTGATATTTTCATATAAATGTAATTATAAATTGTGACCCTTTCTATCTGGCA
ATATGGTTAAACAAGACAGACATACCTTAATGGAGACTATAAAGTATATTTACATTAATATTTAACACTGGGAAAAGATAGACCGT

11,305

CHMP2B

CHMP2B-201

CHMP2B-201

TCTTCGCTTACCATAATGTTTTTGGAGTTCACGCATGTTGTAGTATGTATCAGTACTTCATTTCTTTTGATAGCTACATGATACT
AGAAGCGAATGGTATTACAAAACCTCCAAGTGCGTACAACATCATACATAGTCATGAAGTAAAGAAAAC TATCGATGTACTATGA

11,390

CHMP2B

CHMP2B-201

CHMP2B-201

CCATTGTATTTATATACCACCGTTTGTATCTGTGCACCTCTTTGTGATCGTTTGGGTTATTTCCACCTTTTGGCTAATGTTAC
GGTAACATAAATATATGGTGGCAAAACAAATAGACACGTGGAGAAACACTAGCAAACCCAATAAAGGTGGAAAAACCGATTACAATG

11,475

CHMP2B

CHMP2B-201

CHMP2B-201

TAATGCTGTGAACATTCATGTAGAAGTATTTGTTTGAATACTTATTTCACTTCTTTTCGATCTAAGAGTGGAATTACTAGGTCATA
ATTACGACACTTGTAAGTACATCTTCATAAAACAACTTATGAATAAAGTGAAGAAAAGCTAGATTCTCACCTTAATGATCCAGTAT

11,560

CHMP2B

CHMP2B-201

CHMP2B-201

CAGTAATTTGATGTTTCACTTTTTGAGGAATCACCAAACCTGTTAAGCATAGTAACCAAACCATTTTACATTCCGACGAGCAATAT
GTCATTAACACTACAAAGTGAAAACTCCTTAGTGGTTTGACAATTCGTATCATTGGTTTGGTAAAATGTAAGGCTGCTCGTTATA

11,645

CHMP2B

CHMP2B-201

CHMP2B-201

GCAAGGGTTCCAATTTTACATCTTCATTAACACTTGTATTTTCTTTTCATAAAAAATTATCCTTTCTAATACATGTGAAGTAG
CGTTCCCAAGGTTAAAAGTGTAGAAGTAATTGTGAACAATAAAAGGAAAGTATTTTTAATAGGAAAGATTATGTACACTTCATC

11,730

CHMP2B

CHMP2B-201

CHMP2B-201

TAGTATTTTCTTTAGGACTAATGTTGTGGAGCACACTTTTTATGTGTTTCATTGGCCATTTGTGTATCTTCTTTGGCAAAACGTCT
ATCATAAAAGAAATCCTGATTACAACACCTCGTGTGAAAAATACACAAGTAACCGGTAAACACATAGAAGAAACCGTTTTGCAGA

11,815

CHMP2B

CHMP2B-201

CHMP2B-201

GTTCAAGCCTTTAGCTCATTTAAAAGTTGGGTTGTTTGTATCTCGTTTCTTGAGTTATAAGAATTTTTATATATTCTGCATACC
CAAGTTCGGAAATCGAGTAAATTTTCAACCCAACAAACATAGAGCAAAGAACTCAATATTCTTAAAAAATATATAAGACGTATGG

11,900

CHMP2B

CHMP2B-201

CHMP2B-201

AAACTCTTATCAGATATATTGTTTGCATATATTTTCTCTTATTCTATAGGTTGTCTTTTACCTAATAATGTTCTTTAATGCATA
TTTGAGAATAGTCTATATAACAAACGTATATAAAAGAGAATAAGATATCCAACAGAAAAGTGGATTATTACAAGAAATTACGTAT

11,985

CHMP2B

CHMP2B-201

CHMP2B-201

AAATTTTAAATTTTACCAAGTCCAATTTATCTTTTTTTCTTTTGTCTTTATGCTTTTAAATGTCATATTTAAGAATGTAATGC
TTTTAAAAATTTAAAGTGGTTCAGGTTAAATAGAAAAAAGAAAAACAAGAAATACGAAAATTACAGTATAAATTTCTTACATTACG

12,070



CHMP2B-201

CAAATCCCAGGTCATAAAGATTTACTTCTATGTGTTCTAAGGTTTAGCTCTTACATTTAGGTTATTGGTCTTTTTGAGTTAATG
GTTTAGGGTCCAGTATTTCTAAATGAAGATACACAAGATTCCAAATCGAGAATGTAATCCAATAACCAGAAAAAACTCAATTAC

12,155



CHMP2B-201

TTTGTATACAGTGTGACGTAAAGGTCCAACCTTTATTCTTTTTCATGTGGATGTCCAGATTTCCAGTACTATTTGATGAAGAGAC
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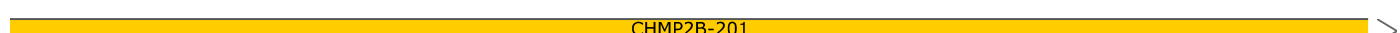
12,240



CHMP2B-201

TGTTCTTTCTCCTGTTGTTGTTGTTTTAAATCTCTTTATTTAAAAAGTTAGCCTAGTAAAGTAGTTAAGATCACTGGTTCAAGAG
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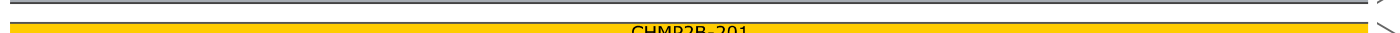
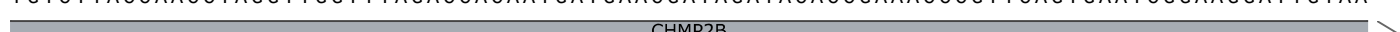
12,325



CHMP2B-201

ACAGAATGGTTGGATCCAACCAAATCTGGTGTACTACTTGCTATCTATGTGGCTTTGGGCAAGTCACTTAGCCTTCCTAACATT
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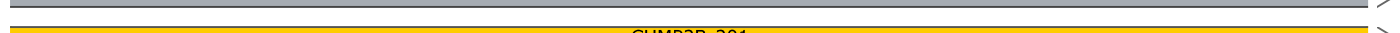
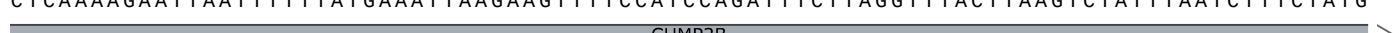
12,410



CHMP2B-201

GAGTTTTCTTAATTAATAAATACTTTAATTCTTCAAAAGGTAGGTCTAAAGAATCCAATGAATTCAGATAAATTAGAAAGATAC
CTCAAAAGAATTAATTTTTTATGAAATTAAGAAGTTTTCCATCCAGATTTCTTAGGTTTACTTAAGTCTATTTAATCTTTCTATG

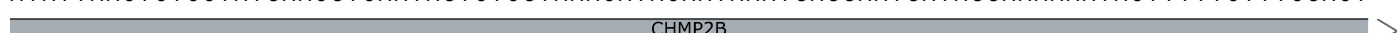
12,495



CHMP2B-201

TATAATTGAGAGGATACTTGCAGTTATCAGAGCATTTGTATGTTATTTACTCCTTACTATCCTTTTTTATGAAAAAGAAAGCTGA
ATATTAACTCTCCTATGAACGTCAATAGTCTCGTAAACATACAATAAATGAGGAATGATAGGAAAAAATACTTTTTCTTTTCGACT

12,580



CHMP2B-201

GGTTTCGAGTATTAACCTAACTCTTCCAAGGTATAATCATGATGATCAAGTGGCTGAGGTGAGATTCAAATCCAGATCTGCCTCAT
CCAAAGCTCATAATTGATTGAGAAGGTTCCATATTAGTACTACTAGTTCCACCGACTCCACTCTAAGTTTTAGGTCTAGACGGAGTA

12,665

CHMP2B

CHMP2B-201

CHMP2B-201

TGGAAGTCTGGTGTTCAGTCTGTTAATATTTACTGCAGAAAACCAAACAGATTTAATAAACATATAACCTGTCTTCCTTCCTG
ACCTTTCAGACCACAAAGTCAGACAATTATAAATGACGTCTTTTGGTTTGTCTAAATTATTTGTATATTGGACAGAAGGAAGGAC

12,750

CHMP2B

CHMP2B-201

CHMP2B-201

AATTTTCATATAGTATTAGAGTAAGGAAACATGAAAAGGGTGTGTGTGTGTGTGTGACATATATATGTGCTATATTAACACTATA
TTAAAGTATATCATAATCTCATTCTTTGTACTTTTCCCACACACACACACACTGTATATATACACGATATAATTTGTGATAT

12,835

CHMP2B

CHMP2B-201

CHMP2B-201

CTAATCAGTTCTGTAGGGGAATATTTTATTGTGATGTAATACTTTTGGTTAAATCTCAGACTGTAGCATATTTGCATTCACCTGC
GATTAGTCAAGACATCCCTTATAAAAATAACACTACATTATGAAAACCAATTTAGAGTCTGACATCGTATAAACGTAAGTGGACG

12,920

CHMP2B

CHMP2B-201

CHMP2B-201

TATCAATCTTTATATTTTTATTAATATTTATAAATTCAGGTTTTAATATTTAATTTTTTAGCATATTAAGTAAAAAAATATTTT
ATAGTTAAGAAATATAAAAATAATTATAAATATTAAGTCCAAAATTATAAATTAATAAATCGTATAATTTTCAATTTTTTTTATAAAA

13,005

CHMP2B

CHMP2B-201

CHMP2B-201

GACATCTAGTAAATCTAAGGGTTTTTTTTTTGTTTTTTTTTTTTGGAGACAGAGTTTCGCTGTTGTTGCCAGGCTGGAGTGCTGG
CTGTAGATCATTTAGATTCCCAAAAAAAAAAACAACAAAAAACCCTCTGTCTCAAAGCGACAACAACGGGTCCGACCTCACGACC

13,090

CHMP2B

CHMP2B-201

CHMP2B-201

AGTGCAATGGCATGATCTCGGCTCAACGCAACCATCACCTCCCAGATTCAAGCGATTCTTCTACCTCAGCCTACCGAGTAGCTCG
TCACGTTACCGTACTAGAGCCGAGTTGCGTTGGTAGTGGAGGGTCTAAGTTCGCTAAGAAGATGGAGTCGGATGGCTCATCGAGC

13,175

CHMP2B

CHMP2B-201

CHMP2B-201

GATTACAGGCATGTGCCACCACACCCGGCTAATTTTCTATTTTTAGTAGAGATGGGGTTTCTCCATGTTGGTCAGGCTGGTCTCG
CTAATGTCCGTACACGGTGGTGTGGGCCGATTAAAAGATAAAAAATCATCTCTACCCCAAAGAGGTACAACCAGTCCGACCAGAGC

13,260

CHMP2B

CHMP2B-201

CHMP2B-201

AACTCCTGACCTCAGGTGATCCACCCAAAGTGCTGCGATTACAGGCATGAGCCACTGCGCCAGCCAATATAAGATTTTTTTTAAA
TTGAGGACTGGAGTCCACTAGGTGGGTTTCACGACGCTAATGTCCGTACTCGGTGACGCGGGTTCGGTTATATTCTAAAAAATTT

13,345

CHMP2B

CHMP2B-201

CHMP2B-201

TCATGATCTGTGAATCCAGTATTTTTAAATGATATTGAAAATTTACAACCCATAAATTTAGGTTTTCTTTTGTGATTCTCCTAGAT
AGTACTAGACACTTAGGTCATAAAATTTACTATAACTTTTAAAATGTTGGGTATTTAAATCCAAAGAAAACACTAAGAGGATCTA

13,430

CHMP2B

CHMP2B-201

CHMP2B-201

D

GTAATAAAGGAACAGAATCGAGAGTTACGAGGTACACAGAGGGCTATAATCAGAGATCGAGCAGCTTTAGAGAAACAAGAAAAAC
CATTATTTCTTGTCTTAGCTCTCAATGCTCCATGTGTCTCCCGATATTAGTCTCTAGCTCGTTCGAAATCTCTTTGTTCTTTTTG

13,515

CHMP2B

CHMP2B-201

ENSE00003716534

CHMP2B-201

V I K E Q N R E L R G T Q R A I I R D R A A L E K Q E K

AGCTGGTAAGTAGAACGTTAAATTTAGTTTAACTTTTCAAACAAATTTGGAAATTAAGTGTAGGAATAATTAGCTAACTAGGAAG
TCGACCATTATCTTGAATTTAAAGTCAAATTTGAAAAGTTTGTTTAAACCTTTAATGACATCCTTATTAATCGATTGATCCTTC

13,600

CHMP2B

CHMP2B-201

Q L
ENSE...

CHMP2B-201

AAGGCACATGGCAGGTGGTAAGTGATTTACTTAAATTAAGAAATGGCAGTTAATGATTTTTGTATCTTCTGCTTACCTTTGTTTAT
TTCCGTGTACCGTCCACCATTCACTAAATGAATTAATTTCTTTACCGTCAATTAATAAAAACATAGAAGACGAATGGAAACAAATA

13,685

CHMP2B

CHMP2B-201

CHMP2B-201

TGTGTCATTCTGCTGACTTTTTATTGGGATTCTGTGTATTCTGTTGATTATAGAATCAAATTTATTCTTCAGTTTGTGAGAGTCATA
ACACAGTAAGACGACTGAAAATAACCCTAAGACACATAAGACAACATAATATCTTAGTTTAATAAGAAGTCAAACACTCTCAGTAT

13,770

CHMP2B

CHMP2B-201

CHMP2B-201

AGTATCTAGGAAGAAAGATTGCTCAAGACAGAACCACCTTCTTAGTAAACAGGAAGATGAAATAGTCATGGAAAAACAAAGGAAGG
TCATAGATCCTTCTTTCTAACGAGTTCTGTCTTGGTGGGAAGAATCAATTGTCTTCTACTTTATCAGTACCTTTTTGTTTTCTTCC

13,855

CHMP2B

CHMP2B-201

CHMP2B-201

TTATTTTAAAAATTACATTAACCTCATAGGAGTCTTGCTTGATATTTTTAAAGATCGTTGTGTCTTTGACAATGAATGTACTTTTTAT
AATAAAATTTTTAATGTAATTGAGTATCCTCAGAACGAACTATAAAATTTCTAGCAACACAGAAACTGTTACTTACATGAAAAATA

13,940

CHMP2B

CHMP2B-201

CHMP2B-201

AATAGACTGGTCTGGTTCATTTTTAAATATTCTTTATGCTATGTTTTTATGTGTATGTTGCCTCAAATCTTTAAAAAATATCTTT
TTATCTGACCAGACCAAGTAAAAATTTATAAGAAATACGATACAAAAATACACATACAACGGAGTTTAGAAATTTTTTATAGAAA

14,025

CHMP2B

CHMP2B-201

CHMP2B-201

ATTGAGGGATAATTCACATGCAATAAACTGTACATATTTTCAGGTGTACAATTTGATAGGTTTTTTGACATATGTATAAACTCGTGA
TAACTCCCTATTAAGTGTACGTTATTTGACATGTATAAAGTCCACATGTTAAACTATCCAAAACTGTATACATATTTGAGCACT

14,110

CHMP2B

CHMP2B-201

CHMP2B-201

AACCATTATTACAGTTAAGGTAATGAACATACCCATCTTCCCTAAAAGTTTTCTTATGCCCTGGAAATCCCTCCTACGCATCCC
TTGGTAATAATGTCAATTCATTACTTGTATGGGTAGAAGGGATTTTTCAAAGGAATACGGGGACCTTTAGGGAGGATGCGTAGGG

14,195

CHMP2B

CHMP2B-201

CHMP2B-201

TGCCTGTCTCCCTTTTTCTGGTGAAGCAAATACTGATCTGTCTCTGTAGATTACTTTTTCAATTTCTAGAATTTTATATAAATGGA
ACGGACAGAGGGAAAAAGGACCACTTCGTTTATGACTAGACAGAGACATCTAATGAAAAGTAAAGATCTTAAAAATATATTTACCT

14,280

CHMP2B

CHMP2B-201

CHMP2B-201

ATCATATAATATCAACTCCTTTTTTATGGCATCTTTCATTCAGCATAATTATTTTTAGGTTAATTAGTGCTGTTTCATGCATTAG
TAGTATATTATAGTTGAGGAAAAAATACCGTAGAAAGTAAGTCGTATTAATAAAAAATCCAATTAATCACGACAAAGTACGTAATC

14,365

CHMP2B

CHMP2B-201

CHMP2B-201

TGTTAATTACTTTTTATTGATGAGTATTATTCAATTGTTTGAATATTTTCAAAATTTGTTTATCTGTTTACCAGCCAGTGGACATT
ACAATTAATGAAAAATAACTACTCATAATAAGTTAACAACTTATAAAGTGTTAAACAAATAGACAAATGGTCGGTCACCTGTAA

14,450

CHMP2B

CHMP2B-201

CHMP2B-201

TGAGTTGTTTCCAGGTATTGGTTATTTGAATAAAGTTACTTTAAACATTCAATCAAAGTTTTTGTGAACATGGTTTTTCATTTTTTC
ACTCAACAAAGGTCCATAACCAATAAACTTATTTCAATGAAATTTGTAAGTTAGTTTTCAAAAACACTTGTACCAAAAAGTAAAAAG

14,535

CHMP2B

CHMP2B-201

CHMP2B-201

TTGGGTATATTCCTGAGAGTGAGATTGCTGGGTCATAGGGTAAATGTATGTTTAACTGCTAAAAAATTTAAATTTAAAGTGCTGAA
AACCCATATAAGGACTCTCACTCTAACGACCCAGTATCCCATTTACATACAAATTTGACGATTTTTTAATTTTAATTTTCACGACTT

14,620

CHMP2B

CHMP2B-201

CHMP2B-201

AAATTTGCAGAGTGCCTGTGATGTTTTCTCTTCCCATTAGCAATGTATGAAAGTTACAGTTGTTTACATACTTGGAGTTGACAG
TTTAAACGTCTCACGGACACTACAAAAGAGAAGGGTAATCGTTACATACTTTCAATGTCAACAAAGTGTATGAACCTCAACTGTC

14,705

CHMP2B

CHMP2B-201

CHMP2B-201

TCTTTAATTTTAGCCATTTTAGTGGGTGTATAGTACGTTGTCATTTTAAATTTTCAATTTTCATAATCACTAATGATGTTGAACATC
AGAAATTTAAATCGGTAAAATCACCCACATATCATGCAACAGTAAAATTTAAAGTAAAAGTATTAGTGATTACTACAACCTTGTAG

14,790

CHMP2B

CHMP2B-201

CHMP2B-201

TTTTTATATACCTGTTTACCATTTACTTATCTTTTTTGGCAGAGTGTCTATTCAAATATTTTACCCATTTTTTCATCAAATTGTT
AAAAATATATGGACAAATGGTAAATGAATAGAAAAAACGGTCTCACAGATAAGTTTATAAAATGGGTAAAAAAGTAGTTTAACAA

14,875

CHMP2B

CHMP2B-201

CHMP2B-201

TTCTTACTTAGTTACAATAGATTTTTATATATTGTGGAAACAAATGCTTTATTAAGTATATGTTGTACAAATATTATTTCCAAGT
AAGAATGAATCAATGTTATCTAAAAATATATAACACCTTTGTTTACGAAATAATTCATATACAACATGTTTATAATAAAGGTTCA

14,960

CHMP2B

CHMP2B-201

CHMP2B-201

TCTTAACCTTGTCTTCATTTTCCTAAGTGTGTTTTGAGGAATGAAAGGGTTTTTTGGGTTATTTTGATCAAGTACAATTTTTTA
AGAATTGGAACAGGAAGTAAAAGGATTCACACAAAACCTCCTTACTTTCCCAAAAAACCAATAAACTAGTTTCATGTTAAAAAAT

15,045

CHMP2B

CHMP2B-201

CHMP2B-201

TTCTTTTATTCTTTTTTCAATGTTGGAGTTTCTTACAAACGTCAATTAGGTCAAATTGGTGATAGTGTTTTCTAAGTCTTCTGT
AAGAAAAATAAGAAAAAAGTTACAACCTCAAAGAATGTTTGCAGTTAATCCAGTTTAACCACTATCACAAAAGATTTCAGAAGACA

15,130

CHMP2B

CHMP2B-201

CHMP2B-201

ATCATTGCAGATCTTCTGTCTACTTGTCAACAATTAGAGTGTATACATAAGAGTGGAGTTGTTAATATTTCTCATCCTTTTTTCTG
TAGTAACGTCTAGAAGACAGATGAACAGTGTAAATCTCACATATGTATTCTCACCTCAACAATTATAAAGAGTAGGAAAAAAGAC

15,215

CHMP2B

CHMP2B-201

CHMP2B-201

TGATTAGTACTTTTAGTGTACTACTTAACTTTTAGTGTACTAGCCACGAGTGCCTAACTCATAGTCAGTAATATTTTCTCCTATG
ACTAATCATGAAAATCACATGATGAATTGAAAATCACATGATCGGTGCTCACGGATTGAGTATCAGTCATTATAAAGAGGATAC

15,300

CHMP2B

CHMP2B-201

CHMP2B-201

TTTTCTTCTAGAAATATTACAGTTTTAGTTCTTACATTTAAAACGTGAACCATATTGAATTAAGTTTCAGTATGGTGTCAGGTA
AAAAGAAGATCTTTATAATGTCAAAATCAAGAATGTAAATTTTGACACTTGGTATAACTTAATTCAAAGTCATACCACAGTCCAT

15,385

CHMP2B

CHMP2B-201

CHMP2B-201

AGGGTAGAGGTTCACTTTTTGCATATGGAAAGTCAGTTGTTTCAACATAATTATTGCTGACACTTTCCCTTGTCTGCTTTTGTGGA
TCCCATCTCCAAGTGAAAAACGTATACCTTTCAGTCAACAAAGTTGTATTAATAACGACTGTGAAAGGGAACAGCAGAAACACCT

15,470

CHMP2B

CHMP2B-201

CHMP2B-201

AAATCAGTTGTCCAAACGTAGGCATCTTTCTGGGCTCTGTTCCATTGATTTACATGACTGCTTTTAAGCTAATACCGCATTATTT
TTTAGTCAACAGGTTTGCATCCGTAGAAAGACCCGAGACAAGGTAACATAAATGACTGACGAAAATTCGATTATGGCGTAATAAA

15,555

CHMP2B

CHMP2B-201

CHMP2B-201

TTGTTAATAAAGGTTTAAATAAGTCTAAAAGTTAGACAGCATTAAATCCTTCCACTTTGTA CTCTTTTTTTCATAATTGTTTTGGC
AACAAATTATTTCCAAATTTATTCAGATTTTCAATCTGTGCGTAATTAGGAAGGTGAAACATGAAGAAAAAAGTATTAACAAAACCG

15,640

CHMP2B

CHMP2B-201

CHMP2B-201

TATTTTAGGTGCTTTGCATTTCTATAGGAAC TTTAGAATACAAATCAATTTCTACAAAAAAGATCAGATTTTGATTGGGATTACA
ATAAAATCCACGAAACGTAAAGATATCCTTGAAATCTTATGTTTAGTTAAAGATGTTTTTCTAGTCTAAAAC TAACCCTAATGT

15,725

CHMP2B

CHMP2B-201

CHMP2B-201

TTGAATAGTTACATATTAACATTGTGTCATAAGACATATTAACATAATGTTAGTTAACATTAACAGAAAGACATATTAACATTATG
AACTTATCAATGTATAATTGTAACACAGTATTCTGTATAATTGTATTACAATCAATTGTAATTGTCTTCTGTATAATTGTAATAC

15,810

CHMP2B

CHMP2B-201

CHMP2B-201

TCTTCTGACCTATGAAGTTATTATGTATCTCTCCATTATTTAGATCTCCATTTATTTAGATCTTCAACTTTTCCTCAGCAGTGTTT
AGAAGACTGGATACTTCAATAATACATAGAGAGGTAATAAATCTAGAGGTAAATAAATCTAGAAGTTGAAAGGAGTCGTCACAAA

15,895

CHMP2B

CHMP2B-201

CHMP2B-201

TGTA CT TGTGAAATGGTTGTG TGGTTTTCTTTTTAGTCTGTCAATACAGTGAATTACTTTGATTATCAAAAATTGAATCAACC
ACATGAACAAC TTTACCAACACACCCAAAAGAAAAAATCAGACAGTTATGTCACTTAATGAAACTAATAGTTTTTAACTTAGTTGG

15,980

CHMP2B

CHMP2B-201

CHMP2B-201

TTTTGTTCCAGGGACACACCCCACTTGGTAATGATGTATTTTTTTAATGTATTTTCAGTTTGCTGAAATTTTAAGAATATCTGC
AAAACAAGGTCCCTGTGTGGGGTGAACCATTACTACATAAAAAAATACATAAAAGTCAAACGACTTTAAAATTCTTATAGACG

16,065

CHMP2B

CHMP2B-201

CHMP2B-201

ACCTGTGTT CATAAAACATACTGATTTGTAGTTTTCTTTTTGTGTGGTGGGTTTTTTTTGTTTGT TTTGTTTGT TTTGTTTGT TTTGAGAT
TGGACACAAGTATTTTGTATGACTAAACATCAAAAGAAAAACACACCACCCAAAAAACAACAAACAAACAAACAAAAC TCTA

16,150

CHMP2B

CHMP2B-201

CHMP2B-201

GGAGTTTCACTTTTATTGCCAGGGCGGCAGTGCAGTGTTTTTTATTTGATTTTGATATCAGGGTAATAATGCTGGCCTAGTAATGC
CCTCAAAGTGAAAATAACGGGTCCGCCGTACGTCACAAAAATAAACTAAAACTATAGTCCCATTATTACGACCGGATCATTACG

16,235

CHMP2B

CHMP2B-201

CHMP2B-201

TGGCCCCATAGCTTGAGTTGGCAAGGGTCCCATACTCTTTTCTTTACTGGAAGGGTTTGTGTAGTTCTTCCTTAAATGTGTGATA
ACCGGGGTATCGAACTCAACCGTTCCCAGGGTATGAGAAAAAGAAATGACCTTCCCAAACACATCAAGAAGGAATTTACACACTAT

16,320

CHMP2B

CHMP2B-201

CHMP2B-201

GGATTCATCAGTAAAGTCATCTGTGAGTGAAGATTTTTCTTTGTGGGTAGGTTATTAACTACAAATTTCTGTTTTAAATAGATAT
CCTAAGTAGTCATTTAGTAGACTCACTTCTAAAAGAAACACCCATCCAATAATTTGATGTTTAAAGACAAAATTTTATCTATA

16,405

CHMP2B

CHMP2B-201

CHMP2B-201

AATAGATTAGGTTATCTGTCTTATTGAATGAGCTTTGGTGGCTTTAGTCTGTCAAGTAACTTGTCCATTTCTACTAAATTTTAAA
TTATCTAATCCAATAGACAGAATAACTTACTCGAAACCACCGAAATCAGACAGTTCATTGAACAGGTAAAGATGATTTAAAATTT

16,490

CHMP2B

CHMP2B-201

CHMP2B-201

ATATACTGATATATTGTTTATAATATGCCCTTACTATCCTTTAACATCTTTAGGATAAGAAGTGATGCCCTTCTTTGCATTCTCG
TATATGACTATATAACAAATATTATACGGGAATGATAGGAAATTGTAGAAATCCTATTCTTCACTACGGGAAGAAACGTAAGAGC

16,575

CHMP2B

CHMP2B-201

CHMP2B-201

GTATTTGTAAGTGTGTTCTCTCTCTCTGTCTCTTTCTCAGTTGTTTTATCATCAGCCTGGCTAGTGGTTTTATCAATTTGATT
CATAAACATTGACACAAGAGAGAGAGAGACAGAGAAAAGTCAACAAAAGTAGTAGTCCGACCGATCACCAATAGTTAAACTAA

16,660

CHMP2B

CHMP2B-201

CHMP2B-201

GATCTCTTATTTAAAAAAGAAAATAACTTTTTGATTTTTGTTTCATTGATTTTTCTATATGGATTTTTCTTTGTTTCTGTTTTT
CTAGAGAATAAATTTTTCTTTTATTGAAAACAAAAACAAAGTAACTAAAAAGATATACCTAAAAAAGAAACAAAGACAAAAA

16,745

CHMP2B

CHMP2B-201

CHMP2B-201

GTTTTTGTGTTTTTTTTTTTTTTGTTTTTGTGTTTTTGTGTTTTTTTTTTTTGAGATGGAGTCTTGCTCTGTCACCAGGCTGGAGTG
CAAAAAACAACAAAAAAAAAAAAAACAACAAAAAAAAAAAACTCTACCTCAGAACGAGACAGTGGTCCGACCTCAC

16,830

CHMP2B

CHMP2B-201

CHMP2B-201

CGGTGGCGTGATCTCAGCTCACTGCAACCTCTGCCTCCTGGGTTCAAGCGATTCTTCTGCCTCAGCCTCCCAAGTAGCTGGGACT
GCCACCGCACTAGAGTCGAGTGACGTTGGAGACGGAGGACCCAAGTTCGCTAAGAAGACGGAGTCGGAGGGTTTCATCGACCTGA

16,915

CHMP2B

CHMP2B-201

CHMP2B-201

ACAGGTGTGTGCCACCACGCCAGCTAATTTTTGTATTTTTAGTAGAGAGGGGTTTCACCATGTTGGCCAGGATGGTCTTGATTT
TGTCCACACACGGTGGTGCGGGTCGATTAAAAACATAAAAATCATCTCTCCCAAAGTGGTACAACCGGTCCTACCAGAACTAAA

17,000

CHMP2B

CHMP2B-201

CHMP2B-201

CTTGACCTCATTATCTGCCCGCCTCAGCCTCCCAAAGTGTGGGATTACAGGCGTGAGCCACAGATTTTTCTTTCCTAGTTTATA
GAACTGGAGTAATAGACGGGCGGAGTCGGAGGGTTTCACAACCCTAATGTCCGCACTCGGTGTCTAAAAAGAAAGGATCAAATAT

17,085

CHMP2B

CHMP2B-201

CHMP2B-201

TATATATATTTTTGTTTATCTTATTTCCCTACTTTGTGTTTCATTTGTAAGTCTTTTTCTATGTTATGTTGAAGCTTATGAAG
ATATATATAAAAAACAAATAGAATAAAGGGATGAAACACAAAGTAAACATGAAGAAAAAAGATACAATACAACCTTCGAATACTTC

17,170

CHMP2B

CHMP2B-201

CHMP2B-201

TATTCATTTTTTTCAAATACAACCTTCAATGCTGTAAACTCTTCTAAGAGCAGTTTTAACTGCAACTCACAAATTTTTATGTTG
ATAAGTAAAAAAAAGTTTATGTTTGAAGTTACGACATTTGAGAAGATTCTCGTCAAAATTGACGTTGAGTGTTAAAAAATACAAC

17,255

CHMP2B

CHMP2B-201

CHMP2B-201

CATTTTCACTTAAGTTCAAAATATTATTTTCTCTGTGGTTTTTTCTTTAACCCATGACTTATTTAGAAGTATTATTTTTAAATTT
GTAAAAGTGAATTCAGTTTTATAATAAAAGAGACACCAAAAAAGAAATTGGGTACTGAATAAATCTTGATAATAAAAAATTTAAA

17,340

CHMP2B

CHMP2B-201

CHMP2B-201

CTGCTTATTTCTGATTTTCTTTTCATATTTTCTTATGAATTTTGAGTTTCATTGTAGTTAGAGAGCATACTTTGTGTGATTCCA
GACGAATAAAGACTAAAAGAAAAGTATAAAAAGAATACTTAAAACCTCAAAGTAACATCAATCTCTCGTATGAAACACACTAAGGT

17,425

CHMP2B

CHMP2B-201

CHMP2B-201

GTCCTTTAAAATTTATTGAGCCCTGTTTTCTGATGTAGAATATGGAATACTTTGGTGATTGTTTAGTGACACTTGTAAATAATGT
CAGGAAATTTTAAATAACTCGGGACAAAAGACTACATCTTATACCTTATGAAACCACTAACAAATCACTGTGAACATTTATTACA

17,510

CHMP2B

CHMP2B-201

CHMP2B-201

ATATTCTGCTTTCAATGTTGGAGTTTCTACAAATGTCAGTTAGGTCAAATGGTGATAGTGTTTTTTAAGCCTTCTATATCACT
TATAAGACGAAAGTTACAACCTCAAAGGATGTTTACAGTCAATCCAGTTTAACCACTATCACAAAAAATTCGGAAGATATAGTGA

17,595

CHMP2B

CHMP2B-201

CHMP2B-201

GCAGATTTTCTGTCTACTTGTAAACAATTAGACTTTGCTTAAGAGTGGAGTTGTTGATATTTCTCATGCTAATTATGCATTTGTCT
CGTCTAAAAGACAGATGAACATTGTTAATCTGAAACGAATTCTCACCTCAACAACATAAAGAGTACGATTAATACGTAAACAGA

17,680

CHMP2B

CHMP2B-201

CHMP2B-201

ATTTCTCCTTTCAAGTTCTGTCCATTGTGTTTTATATATTTTGAAGCACTTTTATTAGGTACATACACATTGAAGATTGTCCTGGT
TAAAGAGGAAAAGTCAAGACAGGTAACACAAAATATATAAACTTCGTGAAAATAATCCATGTATGTGTAACCTTCTAACAGGACCA

17,765

CHMP2B

CHMP2B-201

CHMP2B-201

ATCTTTATGATTGATTCCCTTATATCATTATGAAATACCCCTTTTTATTTCTGGTAGTATTCCTTGGTCTCAAGTTTATTTTCAT
TAGAAATACATAACTAAGGGAATATAGTAATACTTTATGGGGAAAAATAAAGACCATCATAAGGAACCAGAGTTCAAATAAAGTA

17,850

CHMP2B

CHMP2B-201

CHMP2B-201

CTCTATTAATATAGCCACTCTAGATTGGCAGGTTTTGATAAGTACGTATATAGCATATATTTTTCTGTCCTTTTACTTGAGTTTG
GAGATAATTATATCGGTGAGATCTAACCGTCCAAAACCTTTCATGCATATATCGTATATAAAAAGACAGGAAAATGAACTCAAAC

17,935

CHMP2B

CHMP2B-201

CHMP2B-201

TTTTTGTATAAGTTGGTGTCTTGAGATAGCATATAGTTGGGTTTGCTTTCTTATCTAATCCGACAGTCTGTCTTACAGTTGAGGT
AAAAACATATTTCAACCCACAGAAGTCTATCGTATATCAACCCAAACGAAAGAATAGATTAGGCTGTCAGACAGAATGTCAACTCCA

18,020

CHMP2B

CHMP2B-201

CHMP2B-201

ATAAAATGGACTATTTTTATTTAATGTAATTATCTATATTACTAGTTTTAGATCTATCACTTTGCCCTTTATTGCTCTGTCCCACC
TATTTTACCTGATAAAAATAAATTACATTAATAGATATAATGATCAAAATCTAGATAGTGAAACGGGAAATAACGAGACAGGGTGG

18,105

CHMP2B

CHMP2B-201

CHMP2B-201

AACTCTTTGCTTGATGTTTTTCTTTTCTTTACCTTCTTTGGATAGTCTTTTTTTTTTTTTTAAATTTCTTCTGGGCTCTA
TTGAGAAACGAACATACAAAAAGGAAAAGAGAATGGAAGAAAACCTATCAGAAAAAATAAATAAAGAAGACCCGAGAT

18,190

CHMP2B

CHMP2B-201

CHMP2B-201

CATGTGCACTGTTTTGTAGACTTGCTTTGTATTCATGGATGGAGATACTAGTTCTGTCTTTCCATGTAAACATGTAGACTAAAT
GTACACGTGACAAAACATCTGAACGAAACATAAGTACCTACCTCTATGATCAAGACAGGAAAGGTACATTTGTACATCTGATTTA

18,275

CHMP2B

CHMP2B-201

CHMP2B-201

TGCCTTCTTAGATTTCTCTTTGCTCTATGACTTTATAATAGCTTCTTCCCCTTTCATGATCGGGGACAAAGGGTCTGTTATGT
ACGGAAGAATCTAAAGAGAAAACGAGATACTGAAATATTATCGAAGAAGGGGAGAAAGTACTAGCCCTGTTTCCCAGACAATACA

18,360

CHMP2B

CHMP2B-201

CHMP2B-201

GTATTAGATCTGTTCTTCTGAAATAAATTATTGACGACTACCTTTAATAATTTTATTTTCTTTTGTGTTTCTTCTCTTAGGA
CATAATCTAGACAAGAAGACTTTATTTAATAACTGCTGATGGGAAATTATTAATAAAGAAAACAAACAAAGAAGAGAATCCT

18,445

CHMP2B

CHMP2B-201

CHMP2B-201

E

ATTAGAAATTAAGAAAATGGCCAAGATTGGTAATAAGGAAGCTTGCAAAGTTTTAGCCAAACAACCTTGTGCATCTACGGAAACAG
TAATCTTTAATTCTTTTACCGGTTCTAACCATTATTCCTTCGAACGTTTTCAAATCGGTTTGTGTAACACGTAGATGCCTTTGTC

18,530

CHMP2B

CHMP2B-201

ENSE00003711959

CHMP2B-201

L 45 I K K M 50 A K I G N 55 E A C K V 60 L A K Q 65 L V H L R K Q

AAGACGAGAAGCTTTTGTCTGTAAGTTCAAAAAGTTACTTCTATGTCTACACAAAACAAAAGTGATGAATTCCCAAATGAAGATGGCTG
TTCTGCTCTTGAAAACGACATTCAAGTTTTCAATGAAGATACAGATGTGTTTGTCTTTTCACTACTTAAGGGTTTACTTCTACCGAC

18,615

CHMP2B

CHMP2B-201

K T R T F A V S S K V T S M S T Q T K V M N S Q M K M A

ENSE00003711959

CHMP2B-201

GAGCAATGTCTACTACAGCAAAAAGTAAGTGAGAGCTTTTATATTCATAGATTTTAAATTTTATCAACGATATTTAAATATCAATA
CTCGTTACAGATGATGTCGTTTTTCATTCACTCTCGAAAATATAAGTATCTAAAAATTTAAATAGTTGCTATAAATTTATAGTTAT

18,700

CHMP2B

CHMP2B-201

G A M S T T A K

ENSE00003711959

CHMP2B-201

TTGAAAGCAGATTTAAAAGCACCTCCTGGTGTATATGTGATACAAAATGTGTGTAATTTTTAGTAAAATGAGTTATAATACTAGA
AACTTTCGTCTAAATTTTCGTGGAGGACCACATATACACTATGTTTTACACACATTAATAATCATTCTTACTCAATATTATGATCT

18,785

CHMP2B

CHMP2B-201

CHMP2B-201

TAATCCAGGTAATTACTTCTAGATTCCTTTATTGATATGTTTTAATACAAAATTTCTTGTTTGAGGACAATCCGTTTTCTTTCTTC
ATTAGGTCCATTAATGAAGATCTAAGAAATAACTATACAAAATTTATGTTTTAAAGAACAACCTCCTGTTAGGCAAAAAGAAAGAAG

18,870

CHMP2B

CHMP2B-201

CHMP2B-201

TTTTCTTTTTTTTTGAGATGGAGTCTTGCTCTGTCACACAGGCTGGAGTGCAGTGGCAAGATTTTGGCTCCCTGCATCCTCCGC
AAAAGAAAAAAACTCTACCTCAGAACGAGACAGTGTGTCCGACCTCACGTACCCTTCTAAAACCGAGGGACGTAGGAGGCG

18,955

CHMP2B

CHMP2B-201

CHMP2B-201

CTCCTGGATTCAAGTGATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGATTACAGGCATGCACCTCCACACCTGGCTAATTTTTG
GAGGACCTAAGTTCACTAAGAGGACGGAGTCCGAGGACTCATCGACCCTAATGTCCGTACGTGGAGGTGTGGACCGATTAAAAAC

19,040

CHMP2B

CHMP2B-201

CHMP2B-201

TATTTTTAGTAGAGACGAGGTTTTACATGCTGGCCAGGCTGGTCTTAAACTCCTGATCTCAGATGATTTCGCTGCCTCAGCCTCC
ATAAAAATCATCTCTGCTCCAAAAGTGTACGACCGGTCCGACCAGAATTTGAGGACTAGAGTCTACTAAGCGGACGGAGTCCGGAGG

19,125

CHMP2B

CHMP2B-201

CHMP2B-201

CAAATTGCTGGGATTACAGACATGAGCCACCGCGCCAGCCAACAATCCCTTTTTCTAAAGATCACATGTAGCTTCTAATTTTAT
GTTTAAACGACCCTAATGTCTGTACTCGGTGGCGCGGGTTCGGTTGTTAGGGAAAAAGATTTCTAGTGTACATCGAAGATTAATA

19,210

CHMP2B

CHMP2B-201

CHMP2B-201

GAAATTGACTTTTTAAAAGTATTTGCTTTTTTCCCTCAAATTGTCAGAAGATTTTTGACCTTCTTGTCTCATTATATGTTCTGAC
CTTTAACTGAAAATTTTCATAAACGAAAAAAGGGGAGTTTAAACAGTCTTCTAAAAACTGGAAGAACAGAGTAATATACAAGACTG

19,295

CHMP2B

CHMP2B-201

CHMP2B-201

TACTTTTGAGTGATAATTTCTCTTGATTCATTTTATGAATGTGTGAGAAGGTCACATGAATAATAAGAAAGATTTATCAGAAT
ATGAAAACACTCACTATTAAGGAGAACCTAAGTAAAAATACTTACACACTCTTCCAGTGTACTTATTATTCTTTCTAAATAGTCTTA

19,380

CHMP2B

CHMP2B-201

CHMP2B-201

GTTTGTCTAGAACTTATGTTTAACTTACTGTATACACACACAAACACATTTTTCTATATCTGTAATCAGTGTTTTTACTGTAGTT
CAAACAGATCTTGAATACAAATTGAATGACATATGTGTGTGTTTGTGTA AAAAGATATAGACATTAGTCACAAAAATGACATCAA

19,465

CHMP2B

CHMP2B-201

CHMP2B-201

TAAAGGACTCTGAGTCTTTTCAGTCAATTAATAAAATAAAGCACTCCTTGATACTGTTAGTCATCAAAAAGAGGTTAAGACAGAACT
ATTTCTGAGACTCAGAAAAGTCAGTAAATTATTTATTTTCGTGAGGAACTATGACAATCAGTAGTTTTCTCCAATTCTGTCTTTGA

19,550

CHMP2B

CHMP2B-201

CHMP2B-201

GTGCTTTACAAAATTTTATAGTTCAATTGGAGGCTTAAGATATGTCTCTTGGAACTACCCACTATATATCAGTCATGCTAAGCT
CACGAAAAGTGTTTAAAATATCAAGTTAACCTCCGAATTCTATACAGAGAACCTTGGATGGGTGATATATAGTCAGTACGATTCTGA

19,635

CHMP2B

CHMP2B-201

CHMP2B-201

TTATGAACTGCACAGACCTTTGAGTAGGGTGATCTAAAAGACATTGCATAAGACAAAGGTTTTAAGAATATCATTAGATGTTAGC
AATACTTGACGTGTCTGGAACTCATCCACTAGATTTTCTGTAAACGTATTCTGTTTCCAAAATCTTATAGTAATCTACAATCG

19,720

CHMP2B

CHMP2B-201

CHMP2B-201

TGTACAGAAAGAGGGATTGTGAATATGAAGTGCAAAAAGAAAAAATAGCCTCAGAGGAAAGTACAAGCTTTATGTTAGGGAAATG
ACATGTCTTCTCCCTAACACTTATACTTCACGTTTTCTTTTTTTTATCGGAGTCTCCTTTCATGTTTCGAAATACAATCCCTTTAC

19,805

CHMP2B

CHMP2B-201

CHMP2B-201

GTATACACAGGCAATTTATGTTATTCATAGTAGTTATGTCCCATGAAGTCGGGAACACTGAAATAGTGCATATTGAACCATTGCT
CATATGTGTCCGTTAAATACAATAAGTATCATCAATACAGGGTACTTCAGCCCTTGTGACTTTATCACGTATAACTTGGTAACGA

19,890

CHMP2B

CHMP2B-201

CHMP2B-201

CCCAGGGGAAATACTGAGTTATATTTCTGTGAGCCTTTGCCACAACGTTTTTTCATTACCTAATCTGTACCTAACTAACCTTGT
GGGTCCCCTTTATGACTCAATATAAAGACACTCGGAAACGGGTGTTGCAAAAAGTAATGGATTAGACATGGATTGATTGGAACA

19,975

CHMP2B

CHMP2B-201

CHMP2B-201

GTTTCTGTTTAAAGATGCCATATTTAATATATAGCTGATTTGCTCATATTGAGCTTATGACTAATGGGACTATACCTCATTCTGG
CAAAGACAAATTTCTACGGTATAAATTATATATCGACTAAACGAGTATAACTCGAATACTGATTACCCTGATATGGAGTAAGACC

20,060

CHMP2B

CHMP2B-201

CHMP2B-201

AACAAAGCTTATCTAACGTGTATTTTCTCCATAAAGCACATCATGTCCTTCTTTCACTTAGGAACACTGGGCAGCATGTTAATAC
TTGTTTCGAATAGATTGCACATAAAGAGGTATTTTCGTGTAGTACAGGAAGAAAGTGAATCCTTGTGACCCGTCGTACAATTATG

20,145

CHMP2B

CHMP2B-201

CHMP2B-201

AATGCTTGGGGATCATTTTTTATCAGTGAAATCACAAACAAAAGCACAAAAGTGAGAAAAATGTGACACTAAGTAAACTATGGA
TTACGAACCCCTAGTAAAAAATAGTCACTTTAGTGTTTGTTCGTGTTTTCACTCTTTTTACACTGTGATTCAATTTGATACCT

20,230

CHMP2B

CHMP2B-201

CHMP2B-201

AAGGACACTTAATTTGCAGTAAGAAGGCAGAACATCCCCTTGTTTGACCTCAGCTGGAAATGTGCATGTTGGGTGACTCACATGT
TTCTGTGAATTAACGTCATTCTTCCGTCTTGTAGGGGAACAACACTGGAGTCGACCTTTACACGTACAACCCACTGAGTGTACA

20,315

CHMP2B

CHMP2B-201

CHMP2B-201

TTTGCTGCTTTGTAAATGTCACAGATGAGCATTAAAACTGCAGGTATTCATTTGAGGTTACAAATAAATTTTAAATGAGTAGGT
AAACGACGAAACATTTACAGTGTCTACTCGTAATTTTGTGACGTCCATAAGTAAACTCCAATGTTTATTTAAAAATTACTCATCCA

20,400

CHMP2B

CHMP2B-201

CHMP2B-201

AAATTCTCAGATATGGAATCTACAAATAAGGAGTATTAAGTGAATTGCATTTTAGACAGCAGAGCACATGAAAGTCGAGTGCTG
TTTAAGAGTCTATAACCTTAGATGTTTATTCCTCATAATTGACATTAACGTAAAATCTGTCGTCTCGTGTACTTTTCAGCTCACGAC

20,485

CHMP2B

CHMP2B-201

CHMP2B-201

TGCAAACATACAGTTAGAAGGAATAAATTC AATCTTTGATCGCAGAGTAGGTTGATTATACTTAACAAAAATATATTGTA CTTGG
ACGTTTGTATGTCAATCTTCTTATTTAAGTTAGAACTAGCGTCTCATCCAATAATATGAATTGTTTTTATATAACATGAACC

20,570

CHMP2B

CHMP2B-201

CHMP2B-201

GTGGTGGACACCCTAAACACTCTGACTTGATCACTACGCATTATATACATGTAACAAAAATTTTATATGTAACCAATACATTTGTG
CACCACCTGTGGGATTTGTGAGACTGAACTAGTGATGCGTAATATATGTACATTGTTTTAAAAATATACATTGGTTATGTA AACAC

20,655

CHMP2B

CHMP2B-201

CHMP2B-201

CAAATAAAGAGTAGAATGCATCCATTTTGTGAAGTACAAAAAGTACAGTGACACATTATAATCTTTAAAAAGAGAAAAGTTTCAAG
GTTTATTTCTCATCTTACGTAGGTAAAAACACTTCATGTTTTTTCATGTCACTGTGTAATATTAGAAAATTTTCTCTTTCAAAGTTC

20,740

CHMP2B

CHMP2B-201

CHMP2B-201

CCTCAAGCCGGGCATGGTGGCTCATGCCTGTAATCTCAGCACTTTGGGAGGTCAAGGTGGGCAGATCAGTTGAGGCCAGGAGTTC
GGAGTTCCGGCCCGTACCACCGAGTACGGACATTAGAGTCTGTGAAACCCTCCAGTTCACCCGCTAGTCAACTCCGGTCTCCTCAAG

20,825

CHMP2B

CHMP2B-201

CHMP2B-201

AAGACCAGTCTGGCCAACATGGCAAAACCCACCTCTACTAAAAATACAAAAATTAGCTGGGCGTGGTGGTGGGCAACTGTAATC
TTCTGGTCAGACCGGTTGTACCGTTTTGGGGTGGAGATGATTTTTATGTTTTTAATCGACCCGCACCACCACCCGTTGACATTAG

20,910

CHMP2B

CHMP2B-201

CHMP2B-201

CCAGCTACTTGGGAGGCTGAGGCAAGAGAATTGCAGAAACCTGAGAGGCAGAGGTTGCAGTGAGCTGAGATCACGCCACTGCACT
GGTCGATGAACCCCTCCGACTCCGTTCTCTTAACGTCTTTGGACTCTCCGTCTCCAACGTCACTCGACTCTAGTGCGGGTGACGTGA

20,995

CHMP2B

CHMP2B-201

CHMP2B-201

CCAGCCTGGGTGACAGAGAGAGAGACTGTCTCAAAAAAAGAGAGAGAGAGAACGTTTCGGTATACATTTTGTCTCAGTTAC
GGTCGGACCCACTGTCTCTCTCTGACAGAGTTTTTTTTTCTCTCTCTCTTGCAAAGCCATATGTA AAAACAAAGAGTCAATG

21,080

CHMP2B

CHMP2B-201

CHMP2B-201

CTTATTCTTTTTGAGTGTCTGATTTTTGAGACAGTCTCGCTCTGTTGCCAGGCTGGAGTGCAATGGCGTGATCTTGGCTCACTG
GAATAAGAAAACTCACAGACTAAAACTCTGTTCAGAGCGAGACAACGGGTCGACCTCACGTTACCGCACTAGAACCGAGTGAC

21,165

CHMP2B

CHMP2B-201

CHMP2B-201

CAACCCCTGCCTCCAGGTTCAAGTGATTCTCCTGCCACAGCCCCCTGAGTAGCTGATATTGCAGGCATGAGCTACCATGCCTGGC
GTTGGGGACGGAGGTCCAAGTTCAC TAAGAGGACGGTGTTCGGGGACTCATCGACTATAACGTCCGTACTCGATGGTACGGACCG

21,250

CHMP2B

CHMP2B-201

CHMP2B-201

TAATTTTTGTATATTTAGTAGAGATGGGTTTTACCGTGTGGCTAGGCTAGTCTCAAACCTCCTAGCCTCAAGTGGCAGGAGAAA
ATTA AAAACATATAAATCATCTCTACCCAAAAGTGGCACAACCGATCCGATCAGAGTTTGAGGATCGGAGTTTACCGTCTCTTT

21,335

CHMP2B

CHMP2B-201

CHMP2B-201

ACATAGCACATTTAAGGAATAAAAGATGTGTGTCTAGAGGGCAATAGTGCAAAGTTTAAATCCATGTTAGTTCTCATAGGCATATT
TGTATCGTGTA AATTCCTTATTTTCTACACACAGATCTCCCGTTATCACGTTTCAAATTAGGTACAATCAAGAGTATCCGTATAA

21,420

CHMP2B

CHMP2B-201

CHMP2B-201

ATGGAATTTAGCTTTTAGCTAAATTTAACAGCACTGGAAAGCCACTAGAGAGTTAGGTGTGTTGGGGGTGGGGAGGGATGGGGGG
TACCTTAAATCGAAAATCGATTTAAATTGTCGTGACCTTTCGGTGATCTCTCAATCCACACAACCCCCACCCCTCCCTACCCCCC

21,505

CHMP2B

CHMP2B-201

CHMP2B-201

AATGCAGTGT CATACTTGGAAAGAATACTTTGGCTACTGCATTGCATGCCATTGAGAAAGGACTGTTTGCTTCATATCTTTGAAA
TTACGT CACAGTATGAACCTTTCTTATGAAACCGATGACGTAACGTACGGTAACCTCTTTCTGACAAACGAAGTATAGAAACTTT

21,590

CHMP2B

CHMP2B-201

CHMP2B-201

TCAACATGTTTCTATTGTATGGATTCTTTTAATACTGAATTAGCTATATAATGCATACATATATGTTTATCATCTATGTATTA
AGTTGTACAAAAGATAACATACCTAAGAAAATTATATGACTTAATCGATATATTACGTATGTATATACAAATAGTAGATACATAAT

21,675

CHMP2B

CHMP2B-201

CHMP2B-201

TGCATCATATATATAAAAAATGCAGTCATGTCTGGCTTAACAATAGGGATACATTCTGAAAAATTCATCTTAGGCAATTTTCATCAT
ACGTAGTATATATATTTTTACGTCAGTACAGACCGAATTGTTATCCCTATGTAAGACTTTTTAAGTAGAATCCGTTAAAGTAGTA

21,760

CHMP2B

CHMP2B-201

CHMP2B-201

TGTGTA AACATTACAGAGTATACTTACATAAACCTAGGTGATACAGCCTACTACGCATCTAGGCTATATGGTATAGCCTGTTGGT
ACACATTTGTAATGTCTCATATGAATGTATTTGGATCCACTATGTCGGATGATGCGTAGATCCGATATACCATATCGGACAACCA

21,845

CHMP2B

CHMP2B-201

CHMP2B-201

CCTAGGCTACACTG TACTGGATTTTGTAGGCAGTTGTAACATAATGGTTAAGTACCTGTGTATCTAAACATAGCTAAACATAAG
GGATCCGATGTGACATGACCTAAAACATCCGTC AACATTGTATTACCAAATTCATGGACACATAGATTTGTATCGATTTGTATTC

21,930

CHMP2B

CHMP2B-201

CHMP2B-201

AAAGGTATAGTAAAAATGCAGTATTATAATCTTATGGGGCCACTGTCGTATATGCTGTGGGTAATTAACCAAAATGTAAGCACAT
TTTCCATATCATTTTTACGTCATAATATTAGAATACCCCGGTGACAGCATATACGACACCCATTAATTGGTTTTACATTCTGTGTA

22,015

CHMP2B

CHMP2B-201

CHMP2B-201

GAAACATGATTGTAATAAATTTTGGTGGTACTAGAGAACATGAATCTCTTAATGAAATGAGTTGTGAATATATAATGTAAGAGA
CTTTG TACTAACATTTATTTAAAACCACCATGATCTCTTGTACTTAGAGAATTACTTTACTCAACACTTATATATTACATTCTCT

22,100

CHMP2B

CHMP2B-201

CHMP2B-201

ATTGTTTTACATAGTTTTTCAAAGCTCACATTTTTTATATTTTTTTAAACCATGGTTTTAAAATGTGTTAATAGATTAAGTATATA
TAACAAAAGTGTATCAAAAAGTTTCGAGTGTAATAAATAAAAAAATTTGGTACCAAATTTTACACAATTATCTAATTCATATAT

22,185

CHMP2B

CHMP2B-201

CHMP2B-201

TGCTAGTATATCTTCTAATCTTTTTAATTTAGACATTAAAATTTAATGAAAGTTTTTATAAAAAATTAATTTAAAAATTTATT
ACGATCATATAGAAGATTAGAAAAAATTAATCTGTAATTTAAAATTTACTTTCAAAAATATTTTTAATTTAAATTTTAAATAA

22,270

CHMP2B

CHMP2B-201

CHMP2B-201

GACATTACCTACTTGCCACAAAAACAGGTAAATTTTATTTTCTATTTGAATAGCAAAGGATTTTATGCTGATAATGTTTTTTAT
CTGTAATGGATGAACGGTGTTTTTGTCCATTTAAAATAAAAGGATAAACTTATCGTTTCTAAAATACGACTATTACAAAAATA

22,355

CHMP2B

CHMP2B-201

CHMP2B-201

TACATAATTCCTTGCCTGCTGTTTCAGATGAGGTTTTTACACTGGTCTTTATTATATAGATGTTAAGCAGATGGTTTTCCAAATGA
ATGTATTAAGGAACGGACGACAAGTCTACTCCAAAAAGTGTGACCAGAAATAATATATCTACAATTCGTCTACCAAAGGTTTACT

22,440

CHMP2B

CHMP2B-201

CHMP2B-201

CTATTTTCATTTTTTCTAGAAATTTAACAGTCTATGTTTGATTACGGCAGGATGGATATCTTTTTAAAGCCTATCTATATTTGA
GATAAAGTAAAAAAGATCTTATAAATTGTCAGATACAACTAATGCCGTCTTACCTATAGAAAAATTTCCGGATAGATATAAACT

22,525

CHMP2B

CHMP2B-201

CHMP2B-201

TGTGTTCCCTTTTGACTIONTTTTTCATAGTAAAATTTTCATAATTATGGAAGTAACATGAATCTTGTAAATACATTTAAAGACAATG
ACACAAGGGAAAACTGAATAAAGTATCATTTTTAAAAGTATTAATACCTTCATTGTACTIONTTAGAACATTTATGTAAATTTCTGTTAC

22,610

CHMP2B

CHMP2B-201

CHMP2B-201

T M
ENSE0...

CHMP2B-201

CAGGCAGTTAAACAAGAAGATGGATCCACAAAAGACATTACAAACAATGCAGAATTTCCAGAAGGAAAAACATGAAAATGGAAATGA
GTCCGTCAATTGTTCTTCTACCTAGGTGTTTTCTGTAATGTTTGTACGTCTTAAAGGTCTTCTTTTTGTACTIONTTACCTTTACT

22,695

CHMP2B

CHMP2B-201

110 A V N K 115 M D P Q 120 K T L Q T 125 M Q N F Q 130 K E N M K 135 M E M

ENSE00003713804

CHMP2B-201

CTGAAGAAATGAGTAAGTTTAATAAATTATAATGAAATTTATAGTTTTCTCATCTTTGAATTAGCCATTTATTTACTATGTCTCA
GACTTCTTTACTCATTCAAATTATTTAATATTACTTTAAATATCAAAAAGAGTAGAAACTTAATCGGTAAATAAATGATACAGAGT

22,780

CHMP2B

CHMP2B-201

140
T E E M
ENSE00003713804

CHMP2B-201

TATTCTCATTACGAAGGCAGAAATGATGAAACCAAAGATGATAGGCTCAAAATTTCTATTTGTATTTAACTGAGGGAAGGTATAA
ATAAGAGTAAGTGCTTCCGTCTTTACTACTTTGGTTTCTACTATCCGAGTTTTAAGATAAACATAAATTGACTCCCTTCCATATT

22,865

CHMP2B

CHMP2B-201

CHMP2B-201

ACTATGTTATGCCACATCACTGTTACACATTGGCTTCAGCAGTTTTACTTTACTGATTAGTATACAAAACCAACTTGTGAGGTA
TGATAACAATACGGTGTAGTGACAATGTGTAACCGAAGTCGTCAAAATGAAATGACTAATCATATGGTTTTGGTTGAACACTCCAT

22,950

CHMP2B

CHMP2B-201

CHMP2B-201

CATAATTCATGATATAAGTCAAGCAGTTTTCAGAGTTATGTCAACTCTTTGATACTGTAGAAGATTTGCCTGTATTAGAGGTAGAG
GTATTAAGTACTATATTCAGTTTCGTCAAAGTCTCAATACAGTTGAGAAACTATGACATCTTCTAAACGGACATAATCTCCATCTC

23,035

CHMP2B

CHMP2B-201

CHMP2B-201

GTAATGGAGCTCTTTTTTTGTTTGTATTTTATTCTCACTTTTTTTCCCTCTCACAAGAGTCTTCTAATATTTAGTTTTTGTCTTTT
CATTACCTCGAGAAAAAAACAAAACAAAATAAGAGTGAAAAAAAGGGAGAGTGTTCTCAGAAGATTATAAATCAAAAACAGAAAA

23,120

CHMP2B

CHMP2B-201

CHMP2B-201

TGAATATAAACTAATTACATGTTATGGTGGAAACACAGAGAATACAGAGACAGAGCATATAAAAAATTACCACAGCACTCAGATGT
ACTTATATTTGATTAATGTACAATACCACCTTTGTGTCTCTTATGTCTCTGTCTCGTATATTTTAAATGGTGTCTGTGAGTCTACA

23,205

CHMP2B

CHMP2B-201

CHMP2B-201

AGTTACCGTTAATGTTGTATGTTTATTTTCTGTTTTTTTCTCATAATCTTGATCTACAAAAGTGAGATCACCTTACATGTACAAT
TCAATGGCAATTACAACATACAAATAAAAAGACAAAAAAGAGTATTAGAAGTAGATGTTTTCACTCTAGTGGAAATGTACATGTTA

23,290

CHMP2B

CHMP2B-201

CHMP2B-201

TATGAATATCTTGCTTTTTAAAAACATAATAGTATAACATAAGCAGATACTCATGACCTTGACATTAAATCTTCTCTGAAGTCTT
ATACTTATAGAACGAAAAATTTTTGTATTATCATATTGTATTTCGTCTATGAGTACTGGAAGCTGTAATTTAGAAGAGACTTCAGAA

23,375

CHMP2B

CHMP2B-201

CHMP2B-201

TTTAAAAATAGCTTTAATATCATTAAACATCAGTATACCCTAGTTTTATCAAACCATTCTTATGTTGGTCAATAAGATTGTTGTA
AAATTTTTTATCGAAATTATAGTAAATTGTAGTCATATGGGATCAAATAGTTTGGTAAGAATACAACCAGTTATTCTAACAAACAT

23,460

CHMP2B

CHMP2B-201

CHMP2B-201

AAATTTTTAACGTGTTTGATAATCCTTTGAAAAATATGTGTAAGTATTATCTTTGACTGAATTTCTTAAATCTCCTCAGAATATT
TTTTAAAAATTGCACAAACTATTAGGAAACTTTTTATACACATTCATAATAGAAACTGACTTAAAGAATTTAGAGGAGTCTTATAA

23,545

CHMP2B

CHMP2B-201

CHMP2B-201

AACTTTTATAAGGCTGTTGGTTTGTACTACCAATTCTTTCCGGAAGACTACACCAATTTTTATTTACCAATAATGAATGACCGA
TTGAAAAATATTCCGACAACCAACATGATGGTTAAGAAAGGCCCTTCTGATGTGGTTAAAAATAAAGTGGTTACTTACTGGCT

23,630

CHMP2B

CHMP2B-201

CHMP2B-201

CCCTTCATAGCACCCCTCGTCAACATTAGATTATTGCTTATATTATGTCAAAAACTGACATCATTGTTTTGAAAGTATGTTTTCTA
GGGAAGTATCGTGGGAGCAGTTGTAATCTAATAACGAATATAATACAGTTTTTTGACTGTAGTAACAAAACCTTTCATACAAAAGAT

23,715

CHMP2B

CHMP2B-201

CHMP2B-201

AATGTTTTACAACATAAAAAATGAAAAATAGAAAATTAATGTTTTACAACATGTAGGGATATACCAGTTTAGCTTTGCTTAT
TTACAAAATGTTGATATTTTTACTTTTTATCTTTAATTTACAAAATGTTGATACATCCCTATATGGTCAAATCGAAACGAATA

23,800

CHMP2B

CHMP2B-201

CHMP2B-201

CTGCTATCATTTTAGTTAACAGCATTTAATAACATTTAGTGTATAAAATAGTATCTAATTAAGTTACCAGGGTTAATAAACTCAT
GACGATAGTAAAATCAATTGTCGTAAATTATTGTAATCACATATTTTATCATAGATTAATTC AATGGTCCAATTATTTGAGTA

23,885

CHMP2B

CHMP2B-201

CHMP2B-201

TGTTCTAGTATTCTATTTTCAGTATACCTATTTTTTATTCTTGGTTGTAATAATACTGTATGTTTATCTTTGGCAGCTCCAAAAGTT
ACAAGATCATAAGATAAAGTCATATGGATAAAAAAAGAACCAACATTATTATGACATACAAAATAGAAAACCGTCGAGGTTTTTCAA

23,970

CHMP2B

CHMP2B-201

CHMP2B-201

CTGTAGTTTTTACTTCAGGCCTTTAGTTTTGAAAACATGAGTTTTTTTCAGGTTGTTGAAGCATCATCAATGATTTTTTAAATGACT
GACATCAAAAATGAAGTCCGGAAATCAAACCTTTTGATACTCAAAAAAGTCCAACAACCTTCGTAGTAGTTACTAAAAAATTACTGA

24,055

CHMP2B

CHMP2B-201

CHMP2B-201

GAGAGAATTGTTATTTATATAATGATCTTAGTACTTAACATGTGGTTTTCCAATGCCAGTGATGGCAGTTCTCAGCAGAGAAATTA
CTCTCTTAACAATAAATATATTACTAGAATCATGAATTGTACACCAAAGGTTACGGTCACTACCGTCAAGAGTCGTCTCTTTAAT

24,140

CHMP2B

CHMP2B-201

CHMP2B-201

ACTTTTCCATTAAGCTATAATGAAAAGAATCAATAACCCTTACTTAATCAGATATCTATAATACCTACTGCAGTTGTTCTCATTT
TGAAAAGGTAATTCGATATTACTTTTCTTAGTTATTGGGAATGAATTAGTCTATAGATATTATGGATGACGTCAACAAGAGTAAA

24,225

CHMP2B

CHMP2B-201

CHMP2B-201

GTATTTTAATACATTACAAGTTAGTCTGTAATATAATTTAATGCATAGCAAGTTAGTCTGTAGTATAATAGTAGTTATTGATGGT
CATAAAATTATGTAATGTTCAATCAGACATTATATTAATTACGTATCGTTCAATCAGACATCATATTATCATCAATAACTACCA

24,310

CHMP2B

CHMP2B-201

CHMP2B-201

TACTCATTTTTTTAATAACGTAGTAAAATACACTAACAATTTTTTCATCCAAAAATAAATTCAAGGTGTAATCAGCATATCTTT
ATGAGTAAAAAAATTATTGCATCATTTTTATGTGATTGTTATAAAAGTAGGTTTTTTATTTAAGTTCCACATTTAGTCGTATAGAAA

24,395

CHMP2B

CHMP2B-201

CHMP2B-201

TTCAACTTGGAAATTTATATTCTGCCATGTTGCTCCAAAGCTTGTTTACAGTTAAGACACAAGATCGTTGGGAAATCTTATACTAT
AAGTTGAACCTTAAATATAAGACGGTACAACGAGGTTTCGAACAAGTGTCATTTCTGTGTTCTAGCAACCCCTTTAGAATATGATA

24,480

CHMP2B

CHMP2B-201

CHMP2B-201

ACCTCTGATGAGCATTATTACACTTTTTCTGAAAGCATTCTTCTTTGTTAGTCTGATTACACCTTTCTAATCTTTTTCTTCTATC
TGGAGACTACTCGTAATAATGTGAAAAAGACTTTCGTAAGAAGAAACAATCAGACTAATGTGGAAAGATTAGAAAAAGAAGATAG

24,565

CHMP2B

CHMP2B-201

CHMP2B-201

TACTTCATTCAATTTTTTTTTTCTGCAACTACTACTTTACTTATACTTATAAACTCTGCATGACCTGGACTTTGCATCTCCTGTA
ATGAAGTAAGTAAAAAAAAAAGACGTTGATGATGAAATGAATATGAATATTTGAGACGTAAGTGGACCTGAAACGTAGAGGACAT

24,650

CHMP2B

CHMP2B-201

CHMP2B-201

TTACTTTGCTAAGTTACATCTGAGTAACATACCGCGAAATTATTTTTTCCAGAGGCTTACCTTTGAGCATATTGACTAAATTCC
AATGAAACGATTCAATGTAGACTCATTGTATGGCGCTTAATAAAAAAAGGTCTCCGAATGGAAACTCGTATAACTGATTTAAGG

24,735

CHMP2B

CHMP2B-201

CHMP2B-201

TTTAGGGGTTTTCTGCTTACTACAAAATAAAATCCCAAATTTTAAATAAAAGACAAGAAGGAAGTATTTAGCTTATGAAACATC
AAATCCCAAAGACGAATGATGTTTTATTTTAGGGGTTTAAATTTATTTTCTGTTCTTCTTCATAAATCGAATACTTTGTAG

24,820

CHMP2B

CHMP2B-201

CHMP2B-201

TTCAGTTTATACCCTAGATGACTGACTACCTTATGTGACATTTCCAGGGAGTCATGGCTCATAGATTATAGGTTTGTACTATAG
AAGTCAAATATGGGATCTACTGACTGATGGAATACACTGTAAAGGTCCCTCAGTACCGAGTATCTAATATCCAAACAATGATATC

24,905

CHMP2B

CHMP2B-201

CHMP2B-201

CAGTCCTAAACCAGGACACCCTGGTAGGAGCATTGCATAGACAAGGACTCTCTTGCTAGTAAATATTAAGCCTATTTGCCAGGAG
GTCAGGATTTGGTCTGTGGGACCATCCTCGTAACGTATCTGTTTCTGAGAGAACGATCATTTATAATTCGGATAAACGGTCTCTC

24,990

CHMP2B

CHMP2B-201

CHMP2B-201

CCCCAGTTACCAACATGATTACAAGGAAATCACACTAGGTTACCTGTCTTTCTTTTTCTGGGGACATTCCCCAGATACCAGGAGA
GGGGTCAATGGTTGTACTAATGTTTCTTTAGTGTGATCCAATGGACAGAAAGAAAAAGACCCCTGTAAGGGGTCTATGGTCTCTCT

25,075

CHMP2B

CHMP2B-201

CHMP2B-201

GGAACAATTTTAGGCTAGCTGCTTTAATTTTTTTTTTCTCCCAGACATTTGCCATTTATGTACCTTAAATAACAACCAAACAG
CCTTGTTAAATCCGATCGACGAAATTAAGAGAGGGTCTGTAAACGGTAAATACATGGAATTTATTGTTGGTTTGTGTC

25,160

CHMP2B

CHMP2B-201

CHMP2B-201

AAGAACTTATTCTTCTTGCTTGTGTCCCTGTTGCCTCACAGTGACTTTGCCAGGCCATTCCATTTATGTATCTCTGTGTGGTT
TTCTTGAATAAGGAAGAACGAACACAGGGACAACGGAGTGTCACTGAAACGGGTCCGGTAAGGTAAATACATAGAGACACACCAA

25,245

CHMP2B

CHMP2B-201

CHMP2B-201

AAACCCTACGTATCCTTGCCAGATTACTTCACATGTAACCTCCTCCCAGTTGGATGTGATCTCCTTCTTGAAACTTTATAATCA
TTTGGGATGCATAGGAACGGTCTAATGAAGTGTACATTGAAGGAGGGTCAACCTACACTAGAGGAAGAGACTTTGAAATATTAGT

25,330

CHMP2B

CHMP2B-201

CHMP2B-201

TTTATCTTTTCTCTTACCACAATCTGTTTCTTAATTTTTTCTTTTATACTCAAGTGTCAACTACCCGAGGTCTTTGTTTTTCTC
AAATAGAAAAGAGAATGGTGTAGACAAAGAATTAAGAGAGAAATATGAGTTCACAGTTGATGGGCTCCAGAAACAAAAGAG

25,415

CHMP2B

CHMP2B-201

CHMP2B-201

CGTCTATATACCCATTGTATTTATATTGCATTTTCAGGCACTAGATGCCCAAGATTCAAAGATAAAAAAGACATAATCTCAATCCA
GCAGATATATGGGTAACATAAATAAACGTAAAGTCCGTGATCTACGGGTTCTAAGTTTTCTATTTTTTCTGTATTAGAGTTAGGT

25,500

CHMP2B

CHMP2B-201

CHMP2B-201

TCAAAAATTGCTTCCCCACAACCTCAACATGATGCATTCTATACAGAGTGCTTTCAATAAATATTTTGGGGAGGGAAGAGAGGTAG
AGTTTTTAACGAAGGGGTGTTGAGTTGTAAGTACTACGTAAGATATGTCTCACGAAAGTTATTTATAAAACCCCTCCCTTCTCTCCATC

25,585

CHMP2B

CHMP2B-201

CHMP2B-201

PCR Forward

TTAAATCGGACATCATTCTTTGGGC

AAAAGTTGTAGCAGTAATAATCCTGTTAAATCGGACATCATTCTTTGGGCAAAATTAATAAATATTGAACCTTAGATTTCTCT
TTTTCCAACATCGTCATTATTAGGACAATTTAGCCTGTAGTAAGAAACCCGTTTAAATATTTTTATAACTTGGAATCTAAAGAGA

25,670

CHMP2B

CHMP2B-201

CHMP2B-201

AGAATATTCTACCTGTATCTTGAATGTAAATTTAAGAGGTATAAAAAATATGATTATAGATATAAAAAAGAGTAAATCGTTTTCCAG
TCTTATAAGATGGACATAGAACTTACATTTAAATTTCTCCATATTTTTATACTAATATCTATATTTTTCTCATTTAGCAAAAAGGTC

25,755

CHMP2B

CHMP2B-201

CHMP2B-201

ATATTAACAGGATATTTATTCTTGCATATTCTTCCTCTACTAGCTTAATGGATACAATTTGTGAAATAATATTTAAAAATCTTAA
TATAATTGTCCTATAAATAAGAACGTATAAGAAGGAGATGATCGAATTACCTATGTTAAACACTTTATTATAAATTTTTAGAATT

25,840

CHMP2B

CHMP2B-201

CHMP2B-201

ACATGTAGCTGTGACTATCACATTTTTTTGTCTATTAGAATTAATTTTTTAAAAAAGAGTAGACTTGTGTTTGTCTATAAGATAATTT
TGTACATCGACACTGATAGTGTAATAAAGGAGATAATCTTAATTAATAAATTTTTTCTCATCTGAACAAACGATATTCTATTTAA

25,925

CHMP2B

CHMP2B-201

CHMP2B-201

GTGTTGAAATGAACATTATTCCAGATTTAATGGCTCAAATATGTATTTATCAATTTACTTCACTGACATTTTGAAGGATTTTTTT
CACAACCTTACTTGTAATAAGGTCTAAATTACCGAGTTTATACATAAATAGTTAAATGAAGTGACTGTAAAACCTTCTAAAAAAA

26,010

CHMP2B

CHMP2B-201

CHMP2B-201

AGTTTGTTCACTGAGTTTGCCTTCTGTAATATACAAAATAGTTGGGCTAGACTGTAAATATGTAAGTCTAACCTGAAGTTTGT
TCAAACAAGTGACTCAAACGGAAGACATTATATGTTTTATCAACCCGATCTGACATTTATACATTCAGATTGGACTTCAAACAAA

26,095

CHMP2B

CHMP2B-201

CHMP2B-201

Donor Template SNV -> REV

CCCCTAGTCAATGATACACTTGATGACATCTTTGACGGTTCTGATGACGAAGAA

GAAAGTAACTGCTTTGCTCCTTCTCCCATATCCCCTAGTCAATGATACACTTGATGACATCTTTGACGGTTCTGATGACGAAGAA
CTTTCATTGACGAAACGAGGAAGAGGGTATAGGGGATCAGTTACTATGTGAACTACTGTAGAAACTGCCAAGACTACTGCTTCTT

26,180

CHMP2B

CHMP2B-201

I N D T L D D I F D G S D D E E
ENSE00001209407

CHMP2B-201

Donor Template SNV -> REV

GAAAGCCAGGATATTGTGAATCAAGTTCCTTGATGAAATTGGAATTG

GAAAGCCAGGATATTGTGAATCAAGTTCCTTGATGAAATTGGAATTGAAATTTCTGGAAAGGTATGAACATCATCTTTTCTTAGTT
CTTTCGGTCCCTATAACACTTAGTTCAAGAAGTACTTTAACCTTAACTTTAAAGACCTTTCCATACTTGTAGTAGAAAAAGAATCAA

26,265

CHMP2B

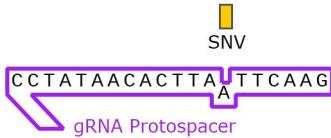
CHMP2B-201

E S Q D I V N Q V L D E I G I E I S G K

ENSE00001209407

CHMP2B-201

PAM Protospacer Sequence



GGAAATAGTTTCTGCCTACCACGTTTGTCACTTAATTGTTTTGTTTTACTAGGAGGTGCATGGTTTTTATTTCTGTTTCAAAAG
CCTTTATCAAAGACGGATGGTGCAAACAGTGAATTAACAAAAACAAAAATGATCCTCCACGTACCAAAAAATAAAGACAAAAGTTTTTC

26,350

CHMP2B

CHMP2B-201

CHMP2B-201

CAAAGACGGATGGTGCAAAC Sanger Sequencing

TAAATTAACAGACCTCTTTACAGCACATCCTGTATGTCCTAGTCCAAATGTTTCTTAATGCACGTTTGTCTTTTTTCATTGTTTA
ATTTAATTTGTCTGGAGAAATGTCGTGTAGGACATACAGGATCAGGTTTACAAAGGATTACGTGCAAACAGAAAAAGTAACAAAT

26,435

CHMP2B

CHMP2B-201

CHMP2B-201

ATATAGATGGCCAAAGCTCCATCAGCTGCTCGAAGCTTACCATCTGCCTCTACTTCAAAGGCTACAATCTCAGATGAAGAGATTG
TATATCTACCGGTTTCGAGGTAGTCGACGAGCTTCGAATGGTAGACGGAGATGAAGTTTCCGATGTTAGAGTCTACTTCTCTAAC

26,520

CHMP2B

CHMP2B-201

M A K A P S A A R S L P S A S T S K A T I S D E E I

ENSE00001945124

CHMP2B-201

AACGGCAACTCAAGGCTTTAGGAGTAGATTAGTCAAAGAAGTCATACTATTTTGGTTACTTATAATTATGTAGTATAAACCAAG
TTGCCGTTGAGTTCGAAATCCTCATCTAATCAGTTTTCTTCAGTATGATAAACGAATGAATATTAATACATCATATTTGGTTC

26,605

CHMP2B

CHMP2B-201

E R Q L K A L G V D

ENSE00001945124

CHMP2B-201



CACAGTGCAGATTTCTTTTACAAAACACATGTATTTTGCAAAAAAAAAAAAAAAAATGAAGACCATGAGTGAACAGTTGTTTCCTAAC
GTGTCACGTCTAAAGAAAATGTTTTGTGTACATAAAACGTTTTTTTTTTTTTTTACTTCTGGTACTCACTTGTCAACAAAGGATTG

26,690

CHMP2B

CHMP2B-201

GTGTCACGTCTAAAGAAAAT

PCR Reverse

CCATGGCTATTTAGAATCTTTTGCCAAAGAATGACAATGATGCAAAAATGGGAACAGTTTGGATTTTAATTAGAACTGTTTAGGA
GGTACCGATAAATCTTAGAAAACGGTTTCTTACTGTTACTACGTTTTTACCCTTGTCAAACCTAAAATTAATCTTGACAAAATCCT

26,775

CHMP2B

CHMP2B-201

GTGATGATGTGTA AAAAGTTGACTTCTCTTTTGCATGGCACAGAGAAATTATATTCCTTACTTCATGTCAGTTTATGTTCTAAAT
CACTACTACACATTTTTCAACTGAAGAGAAAACGTACCGTGTCTCTTTAATATAAGGAATGAAGTACAGTCAAATACAAGATTTA

26,860

CHMP2B

CHMP2B-201

CTTTTTCACTGAATATAAAAATCTTGTTAAATGCCATTAGGCACCAACTTAAAGAGGGTTGTAAAAATATTTAAAAGTATATCGTT
GAAAAAGTGACTTATATTTTTAGAACAAATTTACGGTAATCCGTGGTTGAATTTCTCCAACATTTTTATAATTTTCATATAGCAA

26,945

CHMP2B

CHMP2B-201

AATTCTGTATCTGTTGCTTGTCTTTGTAAGTGATTATGTGTTATGACCATAGGTGGTTACAGCTGCCAAATTTTTTTAAATGG
TTAAGACATAGACAACGAACAGAAAACATTTCACTAATACACAATACTGGTATCCACCAATGTCGACGGTTTAATAAAAATTTACC

27,030

CHMP2B

CHMP2B-201

TCAAAAAGAAGAGTGCTATTTAAACATCTGTCTTAAACAAAACTGTCATAACTTTTTCTTTTTCTTTTTCCATTAGGAGAACAT
AGTTTTTCTTCTCACGATAAATTTGTAGACAGAATTTGTTTTTGACAGTATTGAAAAGAAAAAAGAAAAAGGTAATCCTCTTGTA

27,115

CHMP2B

CHMP2B-201

TCTAGTTGGTAAATTTCAAATGTGCTTGACACCTGCCTTAAATAGCACAGACCTATTGTGCACATCTTTAAATTTATTTTCAGCTG
AGATCAACCATTTAAAGTTTTACACGAACTGTGGACGGAATTTATCGTGTCTGGATAACACGTGTAGAAATTTAATAAAGTCGAC

27,200

CHMP2B

CHMP2B-201

GCAGAAAAGAATTACATTTAAAACCTGAAATCAAGGCCTCAATACAAAAGATTATCCTGGCTCTTTTTCTATCTCTGTGGGCCTAATT
CGTCTTTTCTTAATGTAAATTTTGACTTTAGTTCCGGAGTTATGTTTCTAATAGGACCGAGAAAAGATAGAGACACCCGGATTAA

27,285

CHMP2B

CHMP2B-201

GAAATATGTA CTCTTATTTTAGACACGCCTCTGTTAAAACAGACCAGGTTTTCTGGTCTCAGACCTATGATGACTTGTCCCTTT
CTTTATACATGAGAATAAAAATCTGTGCGGAGACAATTTTGTCTGGTCCAAAAGGACCAGAGTCTGGATACTACTGAACAGGGAAA

27,370

CHMP2B

CHMP2B-201

GATGTCACACTACTGTGAATTGAATATAATTAGTAAAAATAGACGATGAATAAATAACACTTTATAGTAAGAAAAACAATATATTTTGG
CTACAGTGATGACACTTAACTTATATTAATCATTTTTTATCTGCTACTTATTTTATTGTGAAATATCATTCTTTTTGTTATATAAAAC

27,455

CHMP2B

CHMP2B-201

GCCATCTAAAAATGAGAATTATAATTATATGAATTATAATTTAACTGTTTTAATTTTTGTTTAAATGTGTATATTGAATCTTCCAAA
CGGTAGATTTTTACTCTTAATATTAATACTTAATATTAATTTGACAAAATAAAAACAATACACATATAAATCTAGAAGGTTT

27,540

CHMP2B

CHMP2B-201

TTGAAGCCATTATTCTCAATTAAGTACTACAACATGACAATGCTTGACCTACATTTCTAAAAATAAAAAATTCACATTTTTTGGATA
AACTTCGGTAATAAGAGTTAATTCATGATGTTGATACTGTTACGAACTGGATGTAAAGATTTTTATTTTTAAGTGTAAAAAACTAT

27,625

CHMP2B

CHMP2B-201

AATAAACTACAGTTTTACCAGAAATTAATCTAAATGTGTATTAGCAGTATTTTTTAAGGTGAAATTCCTTGGTATCTAATGA
TTATTTGATGTCAAAATGGTCTTTAATGATAGATTTACACATAATCGTCATAAAAAAATTCACCTTTAACGGAACCATAGACT

27,710

CHMP2B

CHMP2B-201

ATGTGTAGACAGGGAGATAAAATGAAGGATTGCCAGACTAGTTAGAATAGAATTTAGGATTAGGTTAGTTTTGAAAAATGATGTT
TACACATCTGTCCCTCTATTTTACTTCCCTAACGGTCTGATCAATCTTATCTTAAATCCTAATCCAATCAAACTTTTTTACTACAA

27,795

CHMP2B

CHMP2B-201

GTAATATATGGGTTCTAACACATCCTACCATAAAAACTGGAGGAGATATGTGTAACCTGGTTAATTTGGGATGGTGGACATTTTGG
CATTATATACCCAAGATTGTGTAGGATGGTATTTTTGACCTCCTCTATACACATTGGACCAATTAACCCTACCACCTGTAAAAC

27,880

CHMP2B

CHMP2B-201

GGCTAATACTGACAAAATACATCTTAGGACTAGTATACATGTGACACGGATTGCTAGGAGGAATGAAAACTAAACTGTATAGTT
CCGATTATGACTGTTTTATGTAGAATCCTGATCATATGTACACTGTGCCTAACGATCCTCCTTACTTTTTGATTTGACATATCAA

27,965

CHMP2B

CHMP2B-201

TATATTCGTAACCATTTTTATAATGTTCAAAGATTAGGTTTTGTTATTGATAGTATTAATACACAGTTTTCTCTTAACAGTGAT
ATATAAGGCATTTGGTAAAATATTACAAGTTTCTAATCCAAAACAATAACTATCATAATTTATGTGTCAAAGAGAATTGTCACATA

28,050

CHMP2B

CHMP2B-201

GGGTGAAAACATTTTACCGGATTATGGAATGTTTACCAGAACATGTTTTGATTCTTGAATGTACATAATAATGCCATCTAACTTA
CCCCTTTTTGTAAAATGGCCTAATACCTTACAAATGGTCTTGTACAAAACCTAAGAACTTACATGTATTATTACGGTAGATTGAAT

28,135

CHMP2B

CHMP2B-201

TTTACGTTCTTGTTTACATGTGGGAGCTTTTTGTTTTCAAAAATTTTTGTTAAAAAATCTCAATAAAGATTTATTATTGTTGTT
AAATGCAAGAACAATGTACACCCTCGAAAACAAGTTTTTAATAAAAACAATTTTTTAGAGTTATTTCTAAATAATAACAACAA

28,220

CHMP2B

CHMP2B-201

CTTTTCTTACCTTTTTTGGCTCTTTTTGGTTCCTGCTAAAATTA AAAATTTTATGCATATTTGGTAA

GAAAAGAATGGAAAAAACGAGAAAAACCAAGGACGATTTTAATTTTTTAAAATACGTATAAACCAATT

3'











28,286

5'

CHMP2B

CHMP2B-201

| Feature | Location | Size | | Type |
|--|------------------|-----------|-----|-----------------|
| ✓ CHMP2B | 1 .. 28,286 | 28,286 bp | ■ → | gene |
| /note = gene ENSG00000083937 Protein coding | | | | |
| CHMP2B-203 | 1 .. 28,278 | 28,278 bp | ■ → | prim_transcript |
| /note = primary transcript ENST00000471660 | | | | |
| CHMP2B-208 | 15 .. 28,145 | 28,131 bp | ■ → | prim_transcript |
| /note = primary transcript ENST00000677929 Retained intron | | | | |
| CHMP2B-205 | 32 .. 26,954 | 26,923 bp | ■ → | prim_transcript |
| /note = primary transcript ENST00000494980 | | | | |
| ✓ CHMP2B-201 | 39 .. 28,286 | 28,248 bp | ■ → | prim_transcript |
| /note = primary transcript ENST00000263780 | | | | |
| CHMP2B-204 | 39 .. 28,216 | 28,178 bp | ■ → | prim_transcript |
| /note = primary transcript ENST00000472024 | | | | |
| CHMP2B-206 | 42 .. 28,216 | 28,175 bp | ■ → | prim_transcript |
| /note = primary transcript ENST00000676705 | | | | |
| CHMP2B-210 | 57 .. 28,145 | 28,089 bp | ■ → | prim_transcript |
| /note = primary transcript ENST00000678859 Retained intron | | | | |
| CHMP2B-207 | 100 .. 19,461 | 19,362 bp | ■ → | prim_transcript |
| /note = primary transcript ENST00000676947 Retained intron | | | | |
| ✓ CHMP2B-201 | 253 .. 26,552 | 26,300 bp | ■ → | CDS |
| ▶ 6 segments = 642 bp | | | | |
| /note = coding sequence ENSP00000263780 | | | | |
| /translation = MASLFKKKTVD,,DVIKEQNREL RGTQRAIIRDRAALEKQEKQL,,ELEIKKMAKIGNKEACKVLAQKLVHLRKQKTRTF AVSSKVTSMSTQTKVMN SQMKMAGAMSTTAK,,TMQAVNKKMDPQKTLQTMQNFQKENMKMEMTEEM,,INDTLDDIFDGS DDEEESQDIVNQVLDEIGIEISGK,,MAKAP SAARSLPSASTSKATISDEEIERQLKALGVD* | | | | |
| CHMP2B-205 | 253 .. 26,552 | 26,300 bp | ■ → | CDS |
| ▶ 6 segments = 552 bp | | | | |
| /note = coding sequence ENSP00000418920 | | | | |
| /translation = MASLFKKKTVD,,DVIKEQNREL RGTQRAIIRDRAALEKQEKQL,,ELEIKKMAKIGNKEACKVLAQKLVHLRKQKTRTF A,,TMQAVNKKMDPQKTL QTMQNFQKENMKMEMTEEM,,INDTLDDIFDGS DDEEESQDIVNQVLDEIGIEISGK,,MAKAPSAARSLPSASTSKATISDEEIERQLKALGVD* 183 amino acids = 20.8 kDa | | | | |
| CHMP2B-203 | 284 .. 26,552 | 26,269 bp | ■ → | CDS |
| ▶ 5 segments = 519 bp | | | | |
| /note = coding sequence ENSP00000419998 | | | | |
| /translation = M,,ELEIKKMAKIGNKEACKVLAQKLVHLRKQKTRTF AVSSKVTSMSTQTKVMNSQMKMAGAMSTTAK,,TMQAVNKKMDPQKTLQTMQNFQKE NMKMEMTEEM,,INDTLDDIFDGS DDEEESQDIVNQVLDEIGIEISGK,,MAKAPSAARSLPSASTSKATISDEEIERQLKALGVD* 172 amino acids = 19.1 kDa | | | | |
| CHMP2B-209 | 12,122 .. 19,765 | 7644 bp | ■ → | prim_transcript |
| /note = primary transcript ENST00000678818 protein_coding_CDS_not_defined | | | | |
| CHMP2B-204 | 13,102 .. 26,552 | 13,451 bp | ■ → | CDS |
| ▶ 6 segments = 690 bp | | | | |
| /note = coding sequence ENSP00000480032 | | | | |
| /translation = MISAQRNHHL PDSSDSSTSA YRVARIT,,DVIKEQNREL RGTQRAIIRDRAALEKQEKQL,,ELEIKKMAKIGNKEACKVLAQKLVHLRKQKTRTF A VSSKVTSMSTQTKVMNSQMKMAGAMSTTAK,,TMQAVNKKMDPQKTLQTMQNFQKENMKMEMTEEM,,INDTLDDIFDGS DDEEESQDIVNQ VLDEIGIEISGK,,MAKAPSAARSLPSASTSKATISDEEIERQLKALGVD* 229 amino acids = 25.6 kDa | | | | |
| CHMP2B-206 | 13,102 .. 26,552 | 13,451 bp | ■ → | CDS |
| ▶ 6 segments = 690 bp | | | | |
| /note = coding sequence ENSP00000504098 | | | | |
| /translation = MISAQRNHHL PDSSDSSTSA YRVARIT,,DVIKEQNREL RGTQRAIIRDRAALEKQEKQL,,ELEIKKMAKIGNKEACKVLAQKLVHLRKQKTRTF A VSSKVTSMSTQTKVMNSQMKMAGAMSTTAK,,TMQAVNKKMDPQKTLQTMQNFQKENMKMEMTEEM,,INDTLDDIFDGS DDEEESQDIVNQ VLDEIGIEISGK,,MAKAPSAARSLPSASTSKATISDEEIERQLKALGVD* 229 amino acids = 25.6 kDa | | | | |

| Feature | Location | Size |  |  | Type |
|---|------------------|--------|---|---|-----------------|
| CHMP2B-202 | 25,779 .. 26,643 | 865 bp |  |  | prim_transcript |
| /note = primary transcript ENST00000466696 Retained intron | | | | | |
| ✓ PAM | 26,186 .. 26,188 | 3 bp |  |  | misc_feature |
| ✓ Protospacer Sequence | 26,189 .. 26,208 | 20 bp |  |  | misc_feature |
| ✓ SNV | 26,202 .. 26,202 | 1 bp |  |  | misc_feature |
| /note = REV = C SNV = T | | | | | |

| Primer | Length | Binding Sites | Tm | Date Added |
|---|---------|------------------|------|--------------|
| ✓ PCR Forward /sequence = TTAAATCGGACATCATTCTTTGGGC 40% GC / 7647.0 Da | 25-mer | 25,612 .. 25,636 | 58°C | Jan 18, 2023 |
| ✓ Donor Template SNV -> REV /sequence = CCCCTAGTCAATGATACACTTGATGACATCTTTGACGGTTCTGATGACGAAGAAGAAAGCCAGGATATTGTGAATCAAGTTCTTGATGAAA 39% GC / 981.3 Da | 100-mer | 26,127 .. 26,226 | 72°C | Jan 18, 2023 |
| ✓ gRNA Protospacer /sequence = GAACTTAATTCACAATATCC 30% GC / 6044.0 Da | 20-mer | 26,189 .. 26,208 | 38°C | Jan 18, 2023 |
| ✓ Sanger Sequencing /sequence = CAAACGTGGTAGGCAGAAAC 50% GC / 6184.1 Da | 20-mer | 26,273 .. 26,292 | 56°C | Jan 18, 2023 |
| ✓ PCR Reverse /sequence = TAAAAGAAATCTGCACTGTGCTTGG 40% GC / 7705.1 Da | 25-mer | 26,601 .. 26,625 | 59°C | Jan 18, 2023 |