

	1	112
WMS-82	ATGGATTATGAAATCGCTGAGAGCACTGACAAGGCCGATATCACTGTTGATGCAAGGAGTTTTAGTTGGGCAGTGGACAGTGC	GATAAAAGAGTGAGACTGCGTCAATTTTGG
OX20-8	ATGGATTATGAAATCGCTGAGAGCACTGACAAGGCCGATATCACTGTTGATGCAAGGAGTTTTAGTTGGGCAGTGGACAGTGC	GATAAAAGAGTGAGACTGCGTCAATTTTGG
4213-1 (OX)	ATGGATTATGAAATCGCTGAGAGCACTGACAAGGCCGATATCACTGTTGATGCAAGGAGTTTTAGTTGGGCAGTGGACAGTGC	GATAAAAGAGTGAGACTGCGTCAATTTTGG
4213-32 (...)	ATGGATTCTGAAATCGTTGAGAGCACTGACA	TGGCCGATATCACTGTTGATGCAAAGAGTTTTAGTTGGGCAGTGGACAGTGC
PI105B	ATGGATTCTGAAATCGTTGAGAGCACTGACA	TGGCCGATATCACTGTTGATGCAAAGAGTTTTAGTTGGGCAGTGGACAGTGC
	
	113	224
WMS-82	GAGAATCCCGAATCCATAGTTTTTTGTTCCGTAGTGGACAATGCCATAAGGAGTAGGACTGCATCAGATTTGGGAACATCTCCTTCC	CTGTCCATAGTCTTGCTTCGGCAGT
OX20-8	GAGAATCCCGAATCCATAGTTTTTTGTTCCGTAGTGGACAATGCCATAAGGAGTAGGACTGCATCAGATTTGGGAACATCTCCTTCC	CTGTCCATAGTCTTGCTTCGGCAGT
4213-1 (OX)	GAGAATCCCGAATCCATAGTTTTTTGTTCCGTAGTGGACAATGCCATAAGGAGTAGGACTGCATCAGATTTGGGAACATCTCCTTCC	CTGTCCATAGTCTTGCTTCGGCAGT
4213-32 (...)	GAGAATCCCGAATCCATAGTTTTTTGTTCCGTAGTGGACAATGCCATAAGGAGTAGGACTGCATCAGATTTGGGAACATCTCCTTC	TCTGTCCATAGTCTTGCTTCGGCAGT
PI105B	GAGAATCCCGAATCCATAGTTTTTTGTTCCGTAGTGGACAATGCCATAAGGAGTAGGACTGCATCAGATTTGGGAACATCTCCTTC	TCTGTCCATAGTCTTGCTTCGGCAGT
	
	225	336
WMS-82	GGCCAATGCAATGAGCAGCAGTAGTGCTGCACCATTTTTCACAAC	TGGAAACGTCTCCTTCTCCTGTCCAGAGTCTTGCTTCGGCAGT
OX20-8	GGCCAATGCAATGAGCAGCAGTAGTGCTGCACCATTTTTCACAAC	TGGAAACGTCTCCTTCTCCTGTCCAGAGTCTTGCTTCGGCAGT
4213-1 (OX)	GGCCAATGCAATGAGCAGCAGTAGTGCTGCACCATTTTTCACAAC	TGGAAACGTCTCCTTCTCCTGTCCAGAGTCTTGCTTCGGCAGT
4213-32 (...)	GGCCAATGCAATGAGCAGCAGTAGT	-----
PI105B	GGCCAATGCAATGAGCAGCAGTAGT	-----
	
	337	448
WMS-82	GCTGCACCATTTTTCACAAC	TGGAAGTGGTGCCCAACGCCACTAGACATGTTTCTGACGATTATTCACCTGGGCTGAGCTTAAAGCAGCCACCAACAATTTCTCACCTCACA
OX20-8	GCTGCACCATTTTTCACAAC	TGGAAGTGGTGCCCAACGCCACTAGACATGTTTCTGACGATTATTCACCTGGGCTGAGCTTAAAGCAGCCACCAACAATTTCTCACCTCACA
4213-1 (OX)	GCTGCACCATTTTTCACAAC	TGGAAGTGGTGCCCAACGCCACTAGACATGTTTCTGACGATTATTCACCTGGGCTGAGCTTAAAGCAGCCACCAACAATTTCTCACCTCACA
4213-32 (...)	GCTGCACCATTTTTCACAAC	TGGAAGTGGTGCCCAACGCCACTGAC
PI105B	GCTGCACCATTTTTCACAAC	TGGAAGTGGTGCCCAACGCCACTGAC
	
	449	560
WMS-82	ACCGGATTTCGTCATTTTGGAAACCTTTGGCTTTGGGTACAGAGGCAAACTCGTTGATGGTTCGTGAGGTCGCAATCGTTAAGGGAACCCAGTTTGGTAAAGTCTGAATTTGCCAT	
OX20-8	ACCGGATTTCGTCATTTTGGAAACCTTTGGCTTTGGGTACAGAGGCAAACTCGTTGATGGTTCGTGAGGTCGCAATCGTTAAGGGAACCCAGTTTGGTAAAGTCTGAATTTGCCAT	
4213-1 (OX)	ACCGGATTTCGTCATTTTGGAAACCTTTGGCTTTGGGTACAGAGGCAAACTCGTTGATGGTTCGTGAGGTCGCAATCGTTAAGGGAACCCAGTTTGGTAAAGTCTGAATTTGCCAT	
4213-32 (...)	ACCGGATTTCGTCATTTTGGAA	CTTTTCTTTGTACAGAGGCAAACTCGTTGATGGTTCGTGAGGTCGCAATCGTTAAGGAACCCGTTTGGTAAAGTCTGAATTTGCCAT
PI105B	ACCGGATTTCGTCATTTTGGAA	CTTTTCTTTGTACAGAGGCAAACTCGTTGATGGTTCGTGAGGTCGCAATCGTTAAGGAACCCGTTTGGTAAAGTCTGAATTTGCCAT
	

561672

WMS-82

OX20-8

4213-1 (OX)

4213-32 (...)

PI105B

CTTTTCCCGTTTACGACCATAGGAACTTGGTTGGGCTGGTTGGGTACTGTGAAAAACAGAGATGAAAGGCTGTCAGTTTACGAGTATATGAAGAATGGGTTGTTGCGTGATTGC

CTTTTCCCGTTTACGACCATAGGAACTTGGTTGGGCTTGGTTGGGTACTGTGAAAAACAGAGATGAAAGGCTGTCAGTTTACGAGTATATGAAGAATGGGTTGTTGCGTGATTGC

CTTTTCCCGTTTACGACCATAGGAACTTGGTTGGGCTTGGTTGGGTACTGTGAAAAACAGAGATGAAAGGCTGTCAGTTTACGAGTATATGAAGAATGGGTTGTTGCGTGATTGC

CTTTTCCCGTTTACGACCATAGGAACTTGGTTGGGCTTGGTTGGGCACTGTGAAAAACAGAGATGAAAGGCTGTCAGTGATGAGTATATGAAGAATGGGTCAATTGCATGATTGC

CTTTTCCCGTTTACGACCATAGGAACTTGGTTGGGCTTGGTTGGGCACTGTGAAAAACAGAGATGAAAGGCTGTCAGTGATGAGTATATGAAGAATGGGTCAATTGCATGATTGC

673784

WMS-82

OX20-8

4213-1 (OX)

4213-32 (...)

PI105B

TTGCATGATAAGAACAATGTGGACAAGGATAGCAGTGTGTTGAATTCGTGGAAAATGAGGATCAAGATTGCTTGGGATGCTTCCTTGGGAATACAATATCTGCATAATTATG

TTGCATGATAAGAACAATGTGGACAAGGATAGCAGTGTGTTGAATTCGTGGAAAATGAGGATCAAGATTGCTTGGGATGCTTCCTTGGGAATACAATATCTGCATAATTATG

TTGCATGATAAGAACAATGTGGACAAGGATAGCAGTGTGTTGAATTCGTGGAAAATGAGGATCAAGATTGCTTGGGATGCTTCCTTGGGAATACAATATCTGCATAATTATG

TTGCAAGATAAGAACAATGTGGACAAGGATTGCAGTGTGTTGAATTCGTGGAAAATGAGGATCAAGATTGCTTGGATGCTTCCTTGGGAATACAATATCTGCATAATTATG

TTGCAAGATAAGAACAATGTGGACAAGGATTGCAGTGTGTTGAATTCGTGGAAAATGAGGATCAAGATTGCTTGGATGCTTCCTTGGGAATACAATATCTGCATAATTATG

785896

WMS-82

OX20-8

4213-1 (OX)

4213-32 (...)

PI105B

CAAATCCATCTATTATTACAGGGATATCAAGTCTTCCAATATTCTTCTTGATGCCAGTTGGACGGCTAGAGTATTTGATTTTGAATTGTGCGTTCATATGTCCAGAACCTGA

CAAATCCATCTATTATTACAGGGATATCAAGTCTTCCAATATTCTTCTTGATGCCAGTTGGACGGCTAGAGTATTTGATTTTGAATTGTGCGTTCATATGTCCAGAACCTGA

CAAATCCATCTATTATTACAGGGATATCAAGTCTTCCAATATTCTTCTTGATGCCAGTTGGACGGCTAGAGTATTTGATTTTGAATTGTGCGTTCATATGTCCAGAACCTGA

CAAATCCATCTATTATTACAGAGGTATCAAGTCTTCAATATTCTTCTTGATGCCATTGGACGGCTAGAGTATTTGGTTTTGATGGTCGTTTCATATGTCCAGAACCTGA

CAAATCCATCTATTATTACAGAGGTATCAAGTCTTCAATATTCTTCTTGATGCCATTGGACGGCTAGAGTATTTGGTTTTGATGGTCGTTTCATATGTCCAGAACCTGA

8971008

WMS-82

OX20-8

4213-1 (OX)

4213-32 (...)

PI105B

CGATGAATACGATGAGATTATAATGGGAACCATGGGATACATGTGCCCTGAGTACATGACTCGAGGTGTGTTGACAGCAAAGTGTGATGTGTACGGGCTTGGAGTTGTATTG

CGATGAATACGATGAGATTATAATGGGAACCATGGGATACATGTGCCCTGAGTACATGACTCGAGGTGTGTTGACAGCAAAGTGTGATGTGTACGGGCTTGGAGTTGTATTG

CGATGAATACGATGAGATTATAATGGGAACCATGGGATACATGTGCCCTGAGTACATGACTCGAGGTGTGTTGACAGCAAAGTGTGATGTGTACGGGCTTGGAGTTGTATTG

CGGTGAATACGAAGAGAGAATAGTGGGAACCTACGGATACATTTCCCTGAGTACGCCATGTGGGTGTGTTGACAGCAAAGTGTGATGTGTACCGGCTTGGAGTTGTATTG

CGGTGAATACGAAGAGAGAATAGTGGGAACCTACGGATACATTTCCCTGAGTACGCCATGTGGGTGTGTTGACAGCAAAGTGTGATGTGTACCGGCTTGGAGTTGTATTG

10091120

WMS-82

OX20-8

4213-1 (OX)

4213-32 (...)

PI105B

CTTGAACCTTTTAACGGGTAAGAGAGCTATACTACTCGAGTCTGAGGAAGATGGACCTCCATTTTATTTGGTGGACTTTGCAGTGCCTCCTATTTTGGCTGGAGATTTGGTTCG

CTTGAACCTTTTAACGGGTAAGAGAGCTATACTACTCGAGTCTGAGGAAGATGGACCTCCATTTTATTTGGTGGACTTTGCAGTGCCTCCTATTTTGGCTGGAGATTTGGTTCG

CTTGAACCTTTTAACGGGTAAGAGAGCTATACTACTCGAGTCTGAGGAAGATGGACCTCCATTTTATTTGGTGGACTTTGCAGTGCCTCCTATTTTGGCTGGAGATTTGGTTCG

CTTGAACCTTTTAACGGGTAAGAGAGTTATATTGCCCTCTGAGGACGGTGAAAGAACCACTTTGCTGGACTTTGCAGTGCCTCCTATTTTGGCTGGAGATTTGGTTCG

CTTGAACCTTTTAACGGGTAAGAGAGTTATATTGCCCTCTGAGGACGGTGAAAGAACCACTTTGCTGGACTTTGCAGTGCCTCCTATTTTGGCTGGAGATTTGGTTCG

11211232

WMS-82AAATTTTGGATTCAAGGGTTGGACCACCCGATTTGAAAAGAAGCAGAGGCACTGAAGATCCTGGCCCATACAGCTATACGTTGTGTGGAAGAGGAACCGAGGCCAAAGACCAAC

OX20-8AAATTTTGGATTCAAGGGTTGGACCACCCGATTTGAAAAGAAGCAGAGGCACTGAAGATCCTGGCCCATACAGCTATACGTTGTGTGGAAGAGGAACCGAGGCCAAAGACCAAC

4213-1 (OX)AAATTTTGGATTCAAGGGTTGGACCACCCGATTTGAAAAGAAGCAGAGGCACTGAAGATCCTGGCCCATACAGCTATACGTTGTGTGGAAGAGGAACCGAGGCCAAAGACCAAC

4213-32 (...AAATTTTGGATTCAAGGGTTGGACCACCCGATGTGAAAAGAAGCAGAGGCACTGAAGATCCTGGCCCATACAGCTATACGTTGTGTGGAAGTGGAAACCGAGGCCATAGACCAAC

PI105BAAATTTTGGATTCAAGGGTTGGACCACCCGATGTGAAAAGAAGCAGAGGCACTGAAGATCCTGGCCCATACAGCTATACGTTGTGTGGAAGTGGAAACCGAGGCCATAGACCAAC

12331344

WMS-82CATGAATGACATTGTGGTCGATTTGGATCGGGCTTTTGCTATTTGTGGTAGTAGCCTATATGATGAGAACTTTTCCTATTCCATTGCATTACCATCACATGAGTCCAATCAT

OX20-8CATGAATGACATTGTGGTCGATTTGGATCGGGCTTTTGCTATTTGTGGTAGTAGCCTATATGATGAGAACTTTTCCTATTCCATTGCATTACCATCACATGAGTCCAATCAT

4213-1 (OX)CATGAATGACATTGTGGTCGATTTGGATCGGGCTTTTGCTATTTGTGGTAGTAGCCTATATGATGAGAACTTTTCCTATTCCATTGCATTACCATCACATGAGTCCAATCAT

4213-32 (...CATGAATGACATTGTGGTCGATTTGGATCGGGCTTTTGCTATTTGTGGTAGTAGCCTATATGATGAGAACTTTTCCTATTCCAATGTCATTACCATCACATGAGTCCAATCAT

PI105BCATGAATGACATTGTGGTCGATTTGGATCGGGCTTTTGCTATTTGTGGTAGTAGCCTATATGATGAGAACTTTTCCTATTCCAATGTCATTACCATCACATGAGTCCAATCAT

13451454

WMS-82ATGACTCCGGATCCTCTTGATACGGACTCATGTGATATTCCAATCTACGAAGAGAATACGAACTCATGA-----

OX20-8ATGACTCCGGATCCTCTTGATACGGACTCATGTGATATTCCAATCTACGAAGAGAATACGAACTCATGA-----

4213-1 (OX)ATGACTCCGGATCCTCTTGATACGGACTCATGTGATATTCCAATCTACGAAGAGAATACGAACTCATGA-----

4213-32 (...ATGACTCCGGATCCTCTTGATACGGACTCATGTGATATTCCAATCGACGAAGAGATT-----CTTATTATTGATTTTCTTAATAGTCTGAAACATCCAAGTCCGAGATAG

PI105BATGACTCCGGATCCTCTTGATACGGACTCATGTGATATTCCAATCGACGAAGAGATT-----CTTATTATTGATTTTCTTAATAGTCTGAAACATCCAAGTCCGAGATAG