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| <i>A. terreus</i> QTYC38 | -GACTGAGGGGCCCTCTGGGTC-CACCTCCCACCCGTGTCTATC-GTACCTTGTGCTTCC | 57 |
| <i>P. paxilli</i> CBS 360.38 | -GAGTGAGGGCCCTCTGGGTCCAACCTCCCACCCGTGTTAACTGTACCTTGTGCTTCC | 59 |
| <i>P. argentinense</i> CBS 130371 | GAGTGAGGGCCCTCCGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. pasqualense</i> CBS 126330 | GAGTGAGGGCCCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. wellingtonense</i> DTO 76C6 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. vancouverense</i> CBS 126323 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. ubiqetum</i> CBS 126437 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. manginii</i> CBS 253.31 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. pancosmium</i> CBS 276.75 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. atrofulvum</i> CBS 109.66 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. quebecense</i> CBS 101623 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. cairnsense</i> CBS 124325 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. waksmanii</i> CBS 230.28 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. cosmopolitanum</i> CBS 200.86 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAA-CCTTGTGCTTCC | 59 |
| <i>P. sumartrense</i> CBS 281.36 | GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAAACGAACCTTGTGCTTCC | 60 |
| <i>P. gallaicum</i> CBS 167.81 | -GAGTGAGGGCCCTCGGGGTCCAACCTCCCACCCGTGTTAA-ACGAACCTTGTGCTTCC | 58 |
| <i>P. copticola</i> CBS 127355 | -GAGTGAGGGCCCTCTGGGTCCAACCTCCCACCCGTGTTTT-CCGAACCTTGTGCTTCC | 58 |
| <i>P. terrigenum</i> CBS 127354 | -GAGTGAGGGCCCTCTGGGTCCAACCTCCCACCCGTGTTTT-CCGAACCTTGTGCTTCC | 58 |
| <i>P. hetheringtonii</i> CBS 122392 | GAGTGCGGGCCCTCGGGGCCAACCTCCCACCCGTGTGCCCCAACCTATG----- | 52 |
| <i>P. citrinum</i> NRRL 1841 | GAGTGCGGGCCCTCGGGGCCAACCTCCCACCCGTGTGCCCCAACCTATG----- | 52 |
| <i>P. citrinum</i> MEF133A | GAGTGCGGGCCCTCGGGGCCAACCTCCCACCCGTGTGCCCCAACCTATG----- | 52 |
| <i>P. citrinum</i> 2.2.5.7 | GAGTGCGGGCCCTCGGGGCCAACCTCCCACCCGTGTGCCCCAACCTATG----- | 52 |
| <i>P. citrinum</i> JF 11 | GAGTGCGGGCCCTCGGGGCCAACCTCCCACCCGTGTGCCCCAACCTATG----- | 52 |
| <i>P. citrinum</i> S36 | GAGTGCGGGCCCTCGGGGCCAACCTCCCACCCGTGTGCCCCAACCTATG----- | 52 |
| P. citrinum castor | GAGTGAGGGCCCTCTGGGTCCAACCTCCCACCCGTGTTTTAAACGAACCTTGTGCTTCC | 59 |
| <i>P. gorlenkoanum</i> CBS 408.69 | -GAGTGAGGGCCCTCTGGGTCCAACCTCCCACCCGTGTTGCACGAACCTGTGCTTCC | 59 |
| <i>P. steckii</i> CBS 260.55 | -GAGTGAGGGCCCTCTGGGTCCAACCTCCCACCCGTGTTGCACGAACCTGTGCTTCC | 59 |
| <i>P. tropicum</i> CBS 112584 | -GAGTGAGGGCCCTCTGGGTCCAACCTCCCACCCGTGTTGCACGAACCTGTGCTTCC | 59 |
| <i>P. tropicoides</i> CBS 122410 | -GAGTGAGGGCCCTCTGGGTCCAACCTCCCACCCGTGTTGCACGAACCTGTGCTTCC | 59 |
| <i>P. sizovae</i> CBS 413.69 | -GAGTGAGGGCCCTCTGGGTCCAACCTCCCACCCGTGTTGCACGAACCTGTGCTTCC | 59 |

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| <i>A. terreus</i> QTYC38 | GCGGGCCCGCGTTCGACGGCCGCGGGAGGCCTCGCGCCCCGGGCGCGCCCGCC | 117 |
| <i>P. paxilli</i> CBS 360.38 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGGCTCTCTGCCCCGGGCGCGCCCGCC | 115 |
| <i>P. argentinense</i> CBS 130371 | GCGGGCCCGCGTATG-----GCCGCCGGGGGG--CACCCGCCCGGGCGCGCCCGCC | 113 |
| <i>P. pasqualense</i> CBS 126330 | GCGAGCCCGCCTCAG-----GCCGCCGGGGGG--CATCTGCCCGGGCGCGCCCGCC | 113 |
| <i>P. wellingtonense</i> DTO 76C6 | GCGAGCCCGCCTCAG-----GCCGCCGGGGGG--CATCTGCCCGGGCGCGCCCGCC | 113 |
| <i>P. vancouverense</i> CBS 126323 | GCGAGCCCGCCTCAG-----GCCGCCGGGGGG--CATCTGCCCGGGCGCGCCCGCC | 113 |
| <i>P. ubiqetum</i> CBS 126437 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CATCCGCCCGGGCGCGCCCGCC | 113 |
| <i>P. manginii</i> CBS 253.31 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CATCCGCCCGGGCGCGCCCGCC | 113 |
| <i>P. pancosmium</i> CBS 276.75 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CATCCGCCCGGGCGCGCCCGCC | 113 |
| <i>P. atrofulvum</i> CBS 109.66 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CATCTGCCCGGGCGCGCCCGCC | 113 |
| <i>P. quebecense</i> CBS 101623 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CATCTGCCCGGGTCCGCGCCCGCC | 113 |
| <i>P. cairnsense</i> CBS 124325 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CATCTGCCCGGGTCCGCGCCCGCC | 113 |
| <i>P. waksmanii</i> CBS 230.28 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CATCCGCCCGGGCGCGCCCGCC | 113 |
| <i>P. cosmopolitanum</i> CBS 200.86 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CATCTGCCCGGGCGCGCCCGCC | 113 |
| <i>P. sumartrense</i> CBS 281.36 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CTCTGCCCGGGCGCGCCCGCC | 114 |
| <i>P. gallaicum</i> CBS 167.81 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CTCTGCCCGGGCGCGCCCGCC | 112 |
| <i>P. copticola</i> CBS 127355 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CTTCCGCCCGGGCGCGCCCGCC | 112 |
| <i>P. terrigenum</i> CBS 127354 | GCGGGCCCGCCTCAG-----GCCGCCGGGGGG--CTTCTGCCCGGGCGCGCCCGCC | 112 |
| <i>P. hetheringtonii</i> CBS 122392 | -----TTGCCTCGGCGGGCCCGCGCCCGCC | 78 |
| <i>P. citrinum</i> NRRL 1841 | -----TTGCCTCGGCGGGCCCGCGCCCGCC | 78 |
| <i>P. citrinum</i> MEF133A | -----TTGCCTCGGCGGGCCCGCGCCCGCC | 78 |
| <i>P. citrinum</i> 2.2.5.7 | -----TTGCCTCGGCGGGCCCGCGCCCGCC | 78 |
| <i>P. citrinum</i> JF 11 | -----TTGCCTCGGCGGGCCCGCGCCCGCC | 78 |
| <i>P. citrinum</i> S36 | -----TTGCCTCGGCGGGCCCGCGCCCGCC | 78 |
| P. citrinum castor | -----TTGCCTCGGCGGGCCCGCGCCCGCC | 78 |
| <i>P. gorlenkoanum</i> CBS 408.69 | GGCGGGCCCGGCCA-----GGCGCGGGGGGCATCCGCCCGGGCCCGCGCCCGCC | 115 |
| <i>P. steckii</i> CBS 260.55 | GCGGGCCCGCGCCA-----GGCGCGGGGGGCATCCGCCCGGGCCCGCGCCCGCC | 114 |
| <i>P. tropicum</i> CBS 112584 | GCGGGCCCGCGCCTA-----GGCGCGGGGGGCATCCGCCCGGGCCCGCGCCCGCC | 115 |
| <i>P. tropicoides</i> CBS 122410 | GCGGGCCCGCGCCTA-----GGCGCGGGGGGCATCCGCCCGGGCCCGCGCCCGCC | 115 |
| <i>P. sizovae</i> CBS 413.69 | GCGGGCCCGCGCCTA-----GGCGCGGGGGGCATCCGCCCGGGCCCGCGCCCGCC | 115 |

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| <i>A. terreus</i> QTYC38 | GAAGACCCCAACATGAACTCTGTCTGAAAGTATGCAGTCTGAGTTGATTATCATAATCA | 177 |
| <i>P. paxilli</i> CBS 360.38 | GAAGACA----CCTGTGAACGCTGTCTGAAGTATGCAGTCTGAGAAAAC TAGCTAAATTA | 171 |
| <i>P. argentinense</i> CBS 130371 | GAAGACA----CCTGTGAACGCTGTCTGAAGTTG-CAGTCTGAGACAAC TAGCTAAATTA | 168 |
| <i>P. pasqualense</i> CBS 126330 | GAAGCCA----CCTGTGAAC-TCGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 167 |
| <i>P. wellingtonense</i> DTO 76C6 | GAAGCCA----CCTGTGAAC-TCGTCTGAAGTAT-GTAGTCTGAGACAATTATTAATTA | 167 |
| <i>P. vancouverense</i> CBS 126323 | GAAGCCA----CCTGTGAAC-TCGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 168 |
| <i>P. ubiqetum</i> CBS 126437 | GAAGCCA----CCTGTGAACGCTGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 168 |
| <i>P. manginii</i> CBS 253.31 | GAAGCCC----CCTGTGAACGCTGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 168 |
| <i>P. pancosmium</i> CBS 276.75 | GAAGCCA----CCTGTGAACGCTGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 168 |
| <i>P. atrofulvum</i> CBS 109.66 | GAAGCCA----CCTGTGAACGCTGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 168 |
| <i>P. quebecense</i> CBS 101623 | GAAGCCA----CCTGTGAACGCTGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 168 |
| <i>P. cairnsense</i> CBS 124325 | GAAGCCA----CCTGTGAACGCTGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 168 |
| <i>P. waksmanii</i> CBS 230.28 | GAAGCCA----CCTGTGAACGCTGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 168 |
| <i>P. cosmopolitanum</i> CBS 200.86 | GAAGCCA----CCTGTGAACGCTGTCTGAAGTAT-GCAGTCTGAGACAATTATTAATTA | 168 |
| <i>P. sumartrense</i> CBS 281.36 | GAAGCCC----CCCCTGAACGCTGTCTGAAG-TT-GCAGTCTGAGAAAAC TAGCTAAATTA | 168 |
| <i>P. gallaicum</i> CBS 167.81 | GAAGACA----CCTGTGAACGCTGTCTGAAG-TT-GCAGTCTGAGACACTAGCTAAATCA | 166 |
| <i>P. copticola</i> CBS 127355 | GAAGACA----CCTGTGAACGCTGTCTGAAG-TT-GCAGTCTGAGAAAAC TAGCTAAATTA | 166 |
| <i>P. terrigenum</i> CBS 127354 | GACGGCC----CCCCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACCTATAACGAAATTA | 133 |
| <i>P. hetheringtonii</i> CBS 122392 | GACGGCC----CCCCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACCTATAACGAAATTA | 133 |
| <i>P. citrinum</i> NRRL 1841 | GACGGCC----CCCCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACCTATAACGAAATTA | 133 |
| <i>P. citrinum</i> MEF133A | GACGGCC----CCCCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACCTATAACGAAATTA | 133 |
| <i>P. citrinum</i> 2.2.5.7 | GACGGCC----CCCCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACCTATAACGAAATTA | 133 |
| <i>P. citrinum</i> JF 11 | GACGGCC----CCCCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACCTATAACGAAATTA | 133 |
| <i>P. citrinum</i> S36 | GACGGCC----CCCCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACCTATAACGAAATTA | 133 |
| P. citrinum castor | AAGCCCC----CCTCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACAAC TAGCTAAATTA | 170 |
| <i>P. gorlenkoanum</i> CBS 408.69 | AAGCCCC----CCTCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACAAC TAGCTAAATTA | 169 |
| <i>P. steckii</i> CBS 260.55 | AAGCCCC----CCTCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACAAC TAGCTAAATTA | 170 |
| <i>P. tropicum</i> CBS 112584 | AAGCCCC----CCTCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACAAC TAGCTAAATTA | 170 |
| <i>P. tropicoides</i> CBS 122410 | AAGCCCC----CCTCTGAACGCTGTCTGAAGTTG-CAGTCTGAGACAAC TAGCTAAATTA | 170 |
| <i>P. sizovae</i> CBS 413.69 | AAGCCCC----CCTCTGAACGCTGTCTGAAGTTG-CAGTCTGAGAA- ACTAGCTAAATTA | 169 |

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| <i>A. terreus</i> QTYC38 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 237 |
| <i>P. paxilli</i> CBS 360.38 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 231 |
| <i>P. argentinense</i> CBS 130371 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. pasqualense</i> CBS 126330 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 227 |
| <i>P. wellingtonense</i> DTO 76C6 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 227 |
| <i>P. vancouverense</i> CBS 126323 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 227 |
| <i>P. ubiqetum</i> CBS 126437 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. manginii</i> CBS 253.31 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. pancosmium</i> CBS 276.75 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. atrofulvum</i> CBS 109.66 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. quebecense</i> CBS 101623 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. cairnsense</i> CBS 124325 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. waksmanii</i> CBS 230.28 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. cosmopolitanum</i> CBS 200.86 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. sumartrense</i> CBS 281.36 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 228 |
| <i>P. gallaicum</i> CBS 167.81 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 226 |
| <i>P. copticola</i> CBS 127355 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 226 |
| <i>P. terrigenum</i> CBS 127354 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 226 |
| <i>P. hetheringtonii</i> CBS 122392 | ATTA AAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 193 |
| <i>P. citrinum</i> NRRL 1841 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 193 |
| <i>P. citrinum</i> MEF133A | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 193 |
| <i>P. citrinum</i> 2.2.5.7 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 193 |
| <i>P. citrinum</i> JF 11 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 193 |
| <i>P. citrinum</i> S36 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 193 |
| P. citrinum castor | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 193 |
| <i>P. gorlenkoanum</i> CBS 408.69 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 230 |
| <i>P. steckii</i> CBS 260.55 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 229 |
| <i>P. tropicum</i> CBS 112584 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 230 |
| <i>P. tropicoides</i> CBS 122410 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 230 |
| <i>P. sizovae</i> CBS 413.69 | GTTAAAAC TTTCAACAACGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATG | 229 |

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| <i>A. terreus</i> QTYC38 | CGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 297 |
| <i>P. paxilli</i> CBS 360.38 | CGATAAATTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 291 |
| <i>P. argentinense</i> CBS 130371 | CGATAAATTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. pasqualense</i> CBS 126330 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 287 |
| <i>P. wellingtonense</i> DTO 76C6 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 287 |
| <i>P. vancouverense</i> CBS 126323 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 287 |
| <i>P. ubiqetum</i> CBS 126437 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. manginii</i> CBS 253.31 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. pancosmium</i> CBS 276.75 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. atrofulvum</i> CBS 109.66 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. quebecense</i> CBS 101623 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. cairnsense</i> CBS 124325 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. waksmanii</i> CBS 230.28 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. cosmopolitanum</i> CBS 200.86 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. sumatrense</i> CBS 281.36 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 288 |
| <i>P. gallaicum</i> CBS 167.81 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 286 |
| <i>P. copicola</i> CBS 127355 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 286 |
| <i>P. terrigenum</i> CBS 127354 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 286 |
| <i>P. hetheringtonii</i> CBS 122392 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 253 |
| <i>P. citrinum</i> NRRL 1841 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 253 |
| <i>P. citrinum</i> MEF133A | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 253 |
| <i>P. citrinum</i> 2.2.5.7 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 253 |
| <i>P. citrinum</i> JF 11 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 253 |
| <i>P. citrinum</i> S36 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 253 |
| P. citrinum castor | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 253 |
| <i>P. gorlenkoanum</i> CBS 408.69 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 290 |
| <i>P. steckii</i> CBS 260.55 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 289 |
| <i>P. tropicum</i> CBS 112584 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 290 |
| <i>P. tropicoides</i> CBS 122410 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 290 |
| <i>P. sizovae</i> CBS 413.69 | CGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCC | 289 |

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| <i>A. terreus</i> QTYC38 | CCCCCTGGTATTCCGGGGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 357 |
| <i>P. paxilli</i> CBS 360.38 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 351 |
| <i>P. argentinense</i> CBS 130371 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 348 |
| <i>P. pasqualense</i> CBS 126330 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 347 |
| <i>P. wellingtonense</i> DTO 76C6 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 347 |
| <i>P. vancouverense</i> CBS 126323 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 347 |
| <i>P. ubiqetum</i> CBS 126437 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 348 |
| <i>P. manginii</i> CBS 253.31 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 348 |
| <i>P. pancosmium</i> CBS 276.75 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 348 |
| <i>P. atrofulvum</i> CBS 109.66 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 348 |
| <i>P. quebecense</i> CBS 101623 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 348 |
| <i>P. cairnsense</i> CBS 124325 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 348 |
| <i>P. waksmanii</i> CBS 230.28 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 348 |
| <i>P. cosmopolitanum</i> CBS 200.86 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCCAGCCCGGCT | 348 |
| <i>P. sumatrense</i> CBS 281.36 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 348 |
| <i>P. gallaicum</i> CBS 167.81 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGGCT | 346 |
| <i>P. copicola</i> CBS 127355 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 346 |
| <i>P. terrigenum</i> CBS 127354 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 346 |
| <i>P. hetheringtonii</i> CBS 122392 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGGCT | 313 |
| <i>P. citrinum</i> NRRL 1841 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGGCT | 313 |
| <i>P. citrinum</i> MEF133A | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGGCT | 313 |
| <i>P. citrinum</i> 2.2.5.7 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGGCT | 313 |
| <i>P. citrinum</i> JF 11 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGGCT | 313 |
| <i>P. citrinum</i> S36 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGGCT | 313 |
| P. citrinum castor | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGGCT | 313 |
| <i>P. gorlenkoanum</i> CBS 408.69 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 350 |
| <i>P. steckii</i> CBS 260.55 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 349 |
| <i>P. tropicum</i> CBS 112584 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 350 |
| <i>P. tropicoides</i> CBS 122410 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 350 |
| <i>P. sizovae</i> CBS 413.69 | CCCTCTGGTATTCCGGAGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCT | 349 |

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| <i>A. terreus</i> QTYC38 | TGTGTGTTGGGCCCCCGTCC--CCGGTTTCCCCGGGGACGGGCCCGAAAGGCAGCGGCGG | 416 |
| <i>P. paxilli</i> CBS 360.38 | TGTGTGTTGGGCCCTCGTCCCC-----CGGGGACGGGCCCGAAAGGCAGCGGCGG | 402 |
| <i>P. argentinense</i> CBS 130371 | TGTGTGTTGGGCCACCGTCCC---CCGTCCGCGGGGGACGGGCCCGAAAGGCAGCGGCGG | 405 |
| <i>P. pasqualense</i> CBS 126330 | GGTGTGTTGGGCCCCGTCCC-----CCTTCCCGGGGGACGGGCCCGAAAGGCAGCGGCGG | 403 |
| <i>P. wellingtonense</i> DTO 76C6 | GGTGTGTTGGGCCCCGTCCC-----CCTTCCGGGGGGACGGGCCCGAAAGGCAGCGGCGG | 403 |
| <i>P. vancouverense</i> CBS 126323 | GGTGTGTTGGGCCCCGTCCC-----CCTTCCCGGGGGACGGGCCCGAAAGGCAGCGGCGG | 403 |
| <i>P. ubiqetum</i> CBS 126437 | GGTGTGTTGGGCCCCCGTCCC-----CCTTCCCGGGGGGCGGGGCCCGAAAGGCAGCGGCGG | 404 |
| <i>P. manginii</i> CBS 253.31 | GGTGTGTTGGGCCCCCGTCCC-----CCTTCCCGGGGGGCGGGGCCCGAAAGGCAGCGGCGG | 404 |
| <i>P. pancosmium</i> CBS 276.75 | GGTGTGTTGGGCCCCCGTCCC-----CCTTCCCGGGGGGCGGGGCCCGAAAGGCAGCGGCGG | 404 |
| <i>P. atrofulvum</i> CBS 109.66 | GGTGTGTTGGGCCCCCGTCCC-----CCTTCCCGGGGGGACGGGCCCGAAAGGCAGCGGCGG | 404 |
| <i>P. quebecense</i> CBS 101623 | GGTGTGTTGGGCCCCCGTCCC-----CCTTCCCGGGGGGCGGGGCCCGAAAGGCAGCGGCGG | 404 |
| <i>P. cairnsense</i> CBS 124325 | GGTGTGTTGGGTCCCCTCCC-----CCTTCCCGGGGGGCGGGGCCCGAAAGGCAGCGGCGG | 404 |
| <i>P. waksmanii</i> CBS 230.28 | GGTGTGTTGGGCCCCCGTCCC-----CCTTCCCGGGGGGCGGGGCCCGAAAGGCAGCGGCGG | 404 |
| <i>P. cosmopolitanum</i> CBS 200.86 | GGTGTGTTGGGCCCCCGTCCC-----CCTTCCCGGGGGGCGGGGCCCGAAAGGCAGCGGCGG | 404 |
| <i>P. sumartrense</i> CBS 281.36 | TGTGTGTTGGGCCCCCGTCCCCCTCTGCGGGGGGACGGGCCCGAAAGGCAGCGGCGG | 408 |
| <i>P. gallaicum</i> CBS 167.81 | TGTGTGTTGGGCCCCCGTCCCC-----GGGGACGGGCCCGAAAGGCAGCGGCGG | 396 |
| <i>P. copticola</i> CBS 127355 | TGTGTGTTGGGCCCCCGTCCC-----CGCGCTGGGGGGGCGGGGCCCGAAAGGCAGCGGCGG | 405 |
| <i>P. terrigenum</i> CBS 127354 | TGTGTGTTGGGCCCCCGTCCC-----CGCACCGGGGGGCGGGGCCCGAAAGGCAGCGGCGG | 404 |
| <i>P. hetheringtonii</i> CBS 122392 | TGTGTGTTGGGCCCCGTCC--CCCGGCC---GGGGGACGGGCCCGAAAGGCAGCGGCGG | 369 |
| <i>P. citrinum</i> NRRL 1841 | TGTGTGTTGGGCCCCGTCC--CCCGGCC---GGGGGACGGGCCCGAAAGGCAGCGGCGG | 369 |
| <i>P. citrinum</i> MEF133A | TGTGTGTTGGGCCCCGTCC--CCCGGCC---GGGGGACGGGCCCGAAAGGCAGCGGCGG | 369 |
| <i>P. citrinum</i> 2.2.5.7 | TGTGTGTTGGGCCCCGTCC--CCCGGCC---GGGGGACGGGCCCGAAAGGCAGCGGCGG | 369 |
| <i>P. citrinum</i> JF 11 | TGTGTGTTGGGCCCCGTCC--CCCGGCC---GGGGGACGGGCCCGAAAGGCAGCGGCGG | 369 |
| <i>P. citrinum</i> S36 | TGTGTGTTGGGCCCCGTCC--CCCGGCC---GGGGGACGGGCCCGAAAGGCAGCGGCGG | 369 |
| P. citrinum castor | TGTGTGTTGGGCCCCGTCC--CCCGGCC---GGGGGACGGGCCCGAAAGGCAGCGGCGG | 369 |
| <i>P. gorlenkoanum</i> CBS 408.69 | TGTGTGTTGGGCCCCGTCC--CCCGTCCCGG--GGGGGACGGGCCCGAAAGGCAGCGGCGG | 408 |
| <i>P. steckii</i> CBS 260.55 | TGTGTGTTGGGCCCCGTCC--CCCGCTCCCGG--GGGGGACGGGCCCGAAAGGCAGCGGCGG | 408 |
| <i>P. tropicum</i> CBS 112584 | TGTGTGTTGGGCCCCGTCC--CCCGCGCCGG--GGGACGGGCCCGAAAGGCAGCGGCGG | 408 |
| <i>P. tropicoides</i> CBS 122410 | TGTGTGTTGGGCCCCGTCC--CCCGCGCCGG--GGGGGACGGGCCCGAAAGGCAGCGGCGG | 408 |
| <i>P. sizovae</i> CBS 413.69 | TGTGTGTTGGGCCCCGTCC--CCCGCGCCGG--GGGGGACGGGCCCGAAAGGCAGCGGCGG | 407 |

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| <i>A. terreus</i> QTYC38 | CACCGCGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 476 |
| <i>P. paxilli</i> CBS 360.38 | CACCGCGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 462 |
| <i>P. argentinense</i> CBS 130371 | CACCGCGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 465 |
| <i>P. pasqualense</i> CBS 126330 | CACCGCGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 463 |
| <i>P. wellingtonense</i> DTO 76C6 | CACCGCGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 463 |
| <i>P. vancouverense</i> CBS 126323 | CACCGCGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 463 |
| <i>P. ubiqetum</i> CBS 126437 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 464 |
| <i>P. manginii</i> CBS 253.31 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 464 |
| <i>P. pancosmium</i> CBS 276.75 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 464 |
| <i>P. atrofulvum</i> CBS 109.66 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 464 |
| <i>P. quebecense</i> CBS 101623 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 464 |
| <i>P. cairnsense</i> CBS 124325 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 464 |
| <i>P. waksmanii</i> CBS 230.28 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 464 |
| <i>P. cosmopolitanum</i> CBS 200.86 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTTGTACCCGCTCTGTAGGCCCGGCCGGC | 464 |
| <i>P. sumartrense</i> CBS 281.36 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 468 |
| <i>P. gallaicum</i> CBS 167.81 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 456 |
| <i>P. copticola</i> CBS 127355 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 465 |
| <i>P. terrigenum</i> CBS 127354 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 464 |
| <i>P. hetheringtonii</i> CBS 122392 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 429 |
| <i>P. citrinum</i> NRRL 1841 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 429 |
| <i>P. citrinum</i> MEF133A | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 429 |
| <i>P. citrinum</i> 2.2.5.7 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 429 |
| <i>P. citrinum</i> JF 11 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 429 |
| <i>P. citrinum</i> S36 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 429 |
| P. citrinum castor | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 429 |
| <i>P. gorlenkoanum</i> CBS 408.69 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 468 |
| <i>P. steckii</i> CBS 260.55 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 468 |
| <i>P. tropicum</i> CBS 112584 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 468 |
| <i>P. tropicoides</i> CBS 122410 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 468 |
| <i>P. sizovae</i> CBS 413.69 | CACCGGTCCGGTCCTCGAGCGTATGGGGCTTCGTACCCGCTCTGTAGGCCCGGCCGGC | 467 |

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| <i>A. terreus</i> QTYC38 | GCCAG-CCGACACCCAA-----CTTTATTTCTAAGGTTGACCTCGGATCAG | 521 |
| <i>P. paxilli</i> CBS 360.38 | CGCCAGCCGACCCCCCTCAAT---CTTTAACCAGGTTGACCTCGGATCAG | 510 |
| <i>P. argentinense</i> CBS 130371 | CGCCAGCCGACCCCCCTCAACCAAACCTTCTC-CAGGTTGACCTCGGATCAG | 515 |
| <i>P. pasqualense</i> CBS 126330 | CGCCAGCCGACCCCCCTCAATCTATTTTTTCA--GG-TTGACC-TCGGATCAG | 510 |
| <i>P. wellingtonense</i> DTO 76C6 | CGTCAGCCGACCCCCCTCAATCTATTTTTTCA--GG-TTGACC-TCGGATCAG | 510 |
| <i>P. vancouverense</i> CBS 126323 | CGCCAGCCGACCCCCCTCAATCTATTTTTTCA--GG-TTGACC-TCGGATCAG | 510 |
| <i>P. ubiqetum</i> CBS 126437 | CGCCAGCCGACCCCCCTCAATCTATTTTTTCA--GG-TT-GACCTCGGATCAG | 511 |
| <i>P. manginii</i> CBS 253.31 | CGCCAGCCGACCCCCCTCAATCTATTTTTTTC--AG-GTTGACCTCGGATCAG | 512 |
| <i>P. pancosmium</i> CBS 276.75 | CGCCAGCCGACCCCCCTCAATCTATTTTTTTC--AG-GTTGACCTCGGATCAG | 512 |
| <i>P. atrofulvum</i> CBS 109.66 | CGTCAGCCGACCCCCCTCAATCTATTTTTTTC--AG-GTTGACCTCGGATCAG | 512 |
| <i>P. quebecense</i> CBS 101623 | CGCCAGCCGACCCCCCTCAATCTATTTTTTTC--AG-GTTGACCTCGGATCAG | 512 |
| <i>P. cairnsense</i> CBS 124325 | CGCCAGCCGACCCCCCTCAATCTATTTTTTTC--AG-GTTGACCTCGGATCAG | 512 |
| <i>P. waksmanii</i> CBS 230.28 | CGTCAGCCGACCCCCCTCAATCTATTTTTTTC--AG-GTTGACCTCGGATCAG | 512 |
| <i>P. cosmopolitanum</i> CBS 200.86 | CGCCAGCCGACCCCCCTCAATCTATTTTTTTC--AG-GTTGACCTCGGATCAG | 512 |
| <i>P. sumartrense</i> CBS 281.36 | CGCCAGCCGACCCCAACCCTAAATTTTTTTT--CAGGTTGACCTCGGATCAG | 517 |
| <i>P. gallaicum</i> CBS 167.81 | CGCTTGCCGACCCCCCTCAATCTATTTTTTCT--CAGGTTGACCTCGGATCAG | 505 |
| <i>P. copticola</i> CBS 127355 | CGCCAGCCGACCCCCCTCAATCTATTTTTTTT--CAGGTTGACCTCGGATCAG | 514 |
| <i>P. terrigenum</i> CBS 127354 | CGCCAGCCGACCCCCCTCAATCTATTTTTTTT--CAGGTTGACCTCGGATCAG | 513 |
| <i>P. hetheringtonii</i> CBS 122392 | CGCCAGCCGACCCCCAACCTTTAACTATCT--CAGGTTGACCTCGGATCAG | 478 |
| <i>P. citrinum</i> NRRL 1841 | CGCCAGCCGACCCCCAACCTTTAATTATCT--CAGGTTGACCTCGGATCAG | 478 |
| <i>P. citrinum</i> MEF133A | CGCCAGCCGACCCCCAACCTTTAATTATCT--CAGGTTGACCTCGGATCAG | 478 |
| <i>P. citrinum</i> 2.2.5.7 | CGCCAGCCGACCCCCAACCTTTAATTATCT--CAGGTTGACCTCGGATCAG | 478 |
| <i>P. citrinum</i> JF 11 | CGCCAGCCGACCCCCAACCTTTAATTATCT--CAGGTTGACCTCGGATCAG | 478 |
| <i>P. citrinum</i> S36 | CGCCAGCCGACCCCCAACCTTTAATTATCT--CAGGTTGACCTCGGATCAG | 478 |
| <i>P. citrinum castor</i> | CGCCAGCCGACCCCCAACCTTTAATTATCT--CAGGTTGACCTCGGATCAG | 478 |
| <i>P. gorlenkoanum</i> CBS 408.69 | CGCCAGCCGACCCCAAC-CTTTAATTATTTCTCAGGTTGACCTCGGATCAG | 518 |
| <i>P. steckii</i> CBS 260.55 | CGCCAGCCGACCCCCAACCTTTTATTTTTTCTCAGGTTGACCTCGGATCAG | 519 |
| <i>P. tropicum</i> CBS 112584 | CGCCAGCCGACCCCCAACCTTTAAATT-TTCTCAGGTTGACCTCGGATCAG | 518 |
| <i>P. tropicoides</i> CBS 122410 | CGCCAGCCGACCCCCAACCTTTAAATT-TTCTCAGGTTGACCTCGGATCAG | 518 |
| <i>P. sizovae</i> CBS 413.69 | CGCCAGCCGACCCCCAACCTTTATATT-TTCTCAGGTTGACCTCGGATCAG | 517 |

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