

GX-7	ATGGCATCCCTTCGCTCTCTTTTGTATGCTTTATTGTTTTATCAGCTGCCCTAAGCCAT	60
MY-1	ATGGCATCCCTTCGCTCTCTTTTGTAGGCTTTATTGTTTTATCAGCTGCCCTAAGCCAT	60
GX-19	ATGGCATCCCTTCGCTCTCTTTTGTATGCTTTATTGTTTTATCAGCTGCCCTAAGCCAT	60
Consensuatggcatcccttcgctctcttttgcta gctttattgttttatcagctgccctaagccat		
GX-7	AGCCATGCACAGCTGACTCCAAACTTTACAAACAAGTGTGCCCTAAGGCCTTGTCCACC	120
MY-1	AGCCATGCACAGCTGACTCCAAACTTTACAAACAAGTGTGCCCTAAGGCCTTGTCCACC	120
GX-19	AGCCATGCACAGCTGACTCCAAACTTTACAAACAAGTGTGCCCTAAGGCCTTGTCCACC	120
Consensuagccatgcacagctgactccaaacttttacaacaaagtgtgccctaaggccttgccacc		
GX-7	ATCAAATCCGTTCGTATTAATGCCATCAGACGCGAGCGTCGAATGGGAGCTTCACTCTTA	180
MY-1	ATCAAATCCGTTCGTATTAATGCCATCAGACGCGAGCGTCGAATGGGAGCTTCACTCTTA	180
GX-19	ATCAAATCCGTTCGTATTAATGCCATCAGACGCGAGCGTCGAATGGGAGCTTCACTCTTA	180
Consensuatcaaatccgtcgtcattaatgccatcagacgcgagcgtcgaatgggagcttcactctta		
GX-7	CGTCTCCATTTTCACGACTGCTTTGTCAACGGTTGTGATGGGTCTGTGCTATTGGATGAT	240
MY-1	CGTCTCCATTTTCACGACTGCTTTGTCAACGGTTGTGATGGGTCTGTGCTATTGGATGAT	240
GX-19	CGTCTCCATTTTCACGACTGCTTTGTCAACGGTTGTGATGGGTCTGTGCTATTGGATGAT	240
Consensucgtctccattttcacgactgctttgtcaacggttgatgggtctgtgctattggatgat		
GX-7	ACGGCTACTTTTACGGAGAAAAGACTGCCTTTGCTAATATTAACTCGATTAGAGGATTTT	300
MY-1	ACGGCTACTTTTACGGAGAAAAGACTGCCTTTGCTAATATTAACTCGATTAGAGGATTTT	300
GX-19	ACGGCTACTTTTACGGAGAAAAGACTGCCTTTGCTAATATTAACTCGATTAGAGGATTTT	300
Consensuacggctacttttac ggagaaaagactgccttttgctaataattaactcgattagaggattt		
GX-7	GAAGTCGTTCGATGAGATTAAGACACGACTCGATAAAGCTTGCAAAGGCAACGTCGTGTCT	360
MY-1	GAAGTCGTTCGATGAGATTAAGACACGACTCGATAAAGCTTGCAAAGGCAACGTCGTGTCT	360
GX-19	GAAGTCGTTCGATGAGATTAAGACACGACTCGATAAAGCTTGCAAAGGCAACGTCGTGTCT	360
Consensugaagtcgctcgatgagattaagacacgactcgataaagcttgcaaaggcaacgctcgtgtct		
GX-7	TGTGCCGACATTTTAGCTGTTGCTGCTCGTGACTCCGTTGCAATCCTCGGAGGGCCAAAC	420
MY-1	TGTGCCGACATTTTAGCTGTTGCTGCTCGTGACTCCGTTGCAATCCTCGGAGGGCCAAAC	420
GX-19	TGTGCCGACATTTTAGCTGTTGCTGCTCGTGACTCCGTTGCAATCCTCGGAGGGCCAAAC	420
Consensutgtgccgacattttagctgttgctgctcgtgactccgttgcaatcctcggagggccaaac		
GX-7	TACAAAGTTCTATTAGGAAGAAGAGACGCAAGAACAGCGAGTGCAGACGTTGCCAACCGA	480
MY-1	TACAAAGTTCTATTAGGAAGAAGAGACGCAAGAACAGCGAGTGCAGACGTTGCCAACCGA	480
GX-19	TACAAAGTTCTATTAGGAAGAAGAGACGCAAGAACAGCGAGTGCAGACGTTGCCAACCGA	480
Consensutacaaagtctattaggaagaagagacgcaagaacagcgagtgcagacgttgccaacgga		
GX-7	AATCTCCCTCCACCATTTTTCAGCTTCTCACAACTTCTATCCAACCTTCCAATCTCATGGC	540
MY-1	AATCTCCCTCCACCATTTTTCAGCTTCTCACAACTTCTATCCAACCTTCCAATCTCATGGC	540
GX-19	AATCTCCCTCCACCATTTTTCAGCTTCTCACAACTTCTATCCAACCTTCCAATCTCATGGC	540
Consensuaatctccctccaccatttttcagcttctcacaacttctatccaacttccaatctcatggc		
GX-7	CTCGACATCAAAGACCTTGTTGTCTTGACTAGGATATACAAAGACACTAATCATGACCCA	600
MY-1	CTCGACATCAAAGACCTTGTTGTCTTGACTAGGATATACAAAGACACTAATCATGACCCA	600
GX-19	CTCGACATCAAAGACCTTGTTGTCTTGACTAGGATATACAAAGACACTAATCATGACCCA	600
Consensuctcgacatcaaagaccttggtgtcttgactaggatataacaacgacactaacatcgacca		
GX-7	CAATTGCGAGCGGCGTTGCAGGGAATCTGCCACAGAGTGGTGGCGATGACAATTTGAAG	660
MY-1	CAATTGCGAGCGGCGTTGCAGGGAATCTGCCACAGAGTGGTGGCGATGATAATTTGAAG	660
GX-19	CAATTGCGAGCGGCGTTGCAGGGAATCTGCCACAGAGTGGTGGCGATGACAATTTGAAG	660
Consensucaatt gcagcggcggtgcagggaatctgccacagagtgggtggcgatga aatttgaag		
GX-7	GGCCTTGACAAAGTCTCCAAATTTATTTGACACTGCCTACTTCAAGGCTTTGTTGACAAAC	720
MY-1	GGCCTTGACAAAGTCTCCAAATTTATTTGACACTGCCTACTTCAAGGCTTTGTTGACAAAC	720
GX-19	GGCCTTGACAAAGTCTCCAAATTTATTTGACACTGCCTACTTCAAGGCTTTGTTGACAAAC	720
Consensuggccttgacaagtctccaaatttatgtgacactgcctacttcaaggctttgttgacaaac		
GX-7	AAAGGCCTTCTACATTCCGACAGGAACCTGTTTCGCGCGCGGCAACGACGACAGTGATGGT	780
MY-1	AAAGGCCTTCTACATTCCGACAGGAACCTGTTTCGCGCGCGGCAACGACGACAGTGATGGT	780
GX-19	AAAGGCCTTCTACATTCCGACAGGAACCTGTTTCGCGCGCGGCAACGACGACAGTGATGGT	780
Consensuaaaggccttctacattccgaccaggaactgttcggcggcgggcaacgacgacagtgatggt		

GX-7	TTGGTGAAGTATTATAGCAGATATCCAAACGCCTTTAGAAATGATTTTGGTCTCTCCATG	840
MY-1	TTGGTGAAGTATTATAGCAGATATCCAAACGCCTTTAGAAATGATTTTGGTCTCTCCATG	840
GX-19	TTGGTGAAGTATTATAGCAGATATCCAAACGCCTTTAGAAATGATTTTGGTCTCTCCATG	840
ConsensuTTGGTGAAGTATTATAGCAGATATCCAAACGCCTTTAGAAATGATTTTGGTCTCTCCATG		
GX-7	ATCAAAATGGGGGAATATGAACCCAATTACAGGAAGTGATGGAGAAATCAGAGCCAATTGT	900
MY-1	ATCAAAATGGGGGAATATGAACCCAATTACAGGAAGTGATGGAGAAATCAGAGCCAATTGT	900
GX-19	ATCAAAATGGGGGAATATGAACCCAATTACAGGAAGTGATGGAGAAATCAGAGCCAATTGT	900
ConsensuATCAAAATGGGGGAATATGAACCCAATTACAGGAAGTGATGGAGAAATCAGAGCCAATTGT		
GX-7	AGGTTTGTCAATTGA	915
MY-1	AGGTTTGTAAATTGA	915
GX-19	AGGTTTGTCAATTGA	915
ConsensuAGGTtttgt aattga		

Figure S1 Comparison of CDS sequences of BhSSC10.1 of GX-7, MY-1 and GX-19.