

Supplementary Data

Genetic diversity and relationships in wild species of *Brassica* and allied genera as revealed by cross-transferable genomic STMS marker assays

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Supplementary table. List of primers*, their origin and molecular details.

Locus code	Repeat	Primer sequence (5'→3')	Locus code	Repeat	Primer sequence (5'→3')
<i>B. napus</i> derived			Ni2-F11	(GA) ₂₂	F - aaagggtttcaatttcacgc R - gggaaacatactcaccacgc
Na10-A08	(CT) ₂₁	F - catggtaaacaatggccc R - caagaacaccatcatttctca	Ni4-D04	(CT) ₁₇	F - ttaaagtgtgtttcacaactgg R - gagttcacaggggctacagg
Na10-A09	(GA) ₂₆	F - tcttgagcaaagaaactgg R - caaactgagccatacacaagg	Ni4-D12	(CT) ₃₉	F - accaccatccacagagtcc R - gcaggacagactgaaaagcg
Na10-B08	(CT) ₃₈	F - agagaaaaacactcccgcc R - gtgagctttgcgaaacacg	Ni4-E03	(GGC) ₇	F - gaaggtgaggaactggtgg R - aacctccttaccgcaacc
Na12-A02	(CT) ₁₆	F - agccttgtgttttcaacg R - agtgaatcgatgatctcgcc	Ni4-F06	(GA) ₁₉	F - agattgattcaaagtgttgg R - tcctctagatttctcgcc
Na12-A07	(GT) ₁₁	F - tcaaagccataaaagcaggtg R - catctcaacacgcataccg	Ni4-F09	(GT) ₁₁	F - ctgtatgcaaggtcatcgc R - tgttccaggtgaagaaccg
Na12-E02	(TTG) ₁₃	F - ttgaagtgttgagtaattggagg R - cagcagccacaactctacg	Ni4-F11	(GA) ₄₅	F - cgtaagtttcaattgcaacgg R - tcgtacgaaacaatcaacgg
Na12-E05	(CA) ₁₀	F - cgtatgtttgtccactgc R - actagcaaccacaacggacc	Ni4-G06	(CA) ₄₅	F - tgacggctgaagaaatcag R - gtttaacctaaaccgaaatc
Na12-E09	(GA) ₃₆	F - catgagaacaagatgggttcg R - ctgaaactgagcaagccc	Ni4-G08	(CT) ₈₇	F - atttgacggactcctcttgc R - cacttggtaactctatggatgcc
Na14-F11	(GT) ₇	F - ctatggtcatcttctcgccg R - catgctccaaccacagtttg	Ni4-G10	(GA) ₇₂	F - agactgaaatatttgggacc R - cgttctcaactgttcatcacc
Na14-G02	(AG) ₁₇	F - ttcccttattgagcaagctg R - tcccggctcctaagatattg	Ni4-H03	(GA) ₂₇	F - gatgaacagcaacagcttgg R - caaatgtcgtttgttagtcttgg
Na14-G06	(GT) ₉	F - aaacggcttcattgttctc R - ggcttcttcatccagctctc	Ni4-H09	(CA) ₁₅	F - agagattcaaacagagtgcc R - ggggctagcttcatcacc
<i>B. nigra</i> derived			BN6A3	-	F - gctaccactcatgtcctctg R - ccaagcttatcgaatctcagcta
Ni2-A01	(T-GT) ₁₂₋₁₀	F - tgctgctacagacagtgttgg R - aaaggctacacactcatgaaacc	BN12A	-	F - gccgttctaggggttgggga R - gaggaagtgagagcgggaaatca
Ni2-A07	(T-GA) ₁₀₋₃₂	F - ggaaccaacaagtgagtcc R - agagcttgagacacataacacc	Ni4-B10	(CT) ₂₀	F - gtcttgagaaactccaccg R - ccgatcccatttctaacc
Ni2-A08	(CA) ₁₂	F - agaattgggattttcattgac R - tcgtctccagctttctgtt	Ni3-C05	(AG) ₆₉	F - tttcgtccttgggtggaag R - tcccaaatcgaaccataag
Ni2-A10	(GT) ₁₁	F - tttgttgcgatcttgaagc R - acactcccactgtcaaacg	Ni3-G05	(GA) ₃₆	F - aggagcatttgcgctagtc R - tctacaaccacaacgtccaag
Ni2-A11	(GA) ₇₉	F - aacaaacaagagtcgaatacgg R - aatgccctctaactgagccc	Ni3-H02	(CT) ₂₅	F - actgccttgccttatctt R - ttgaggaacaatccttggc
Ni2-A12	(CT) ₂₀	F - acgatgggttcttctgtcg R - caagaaacttcgaggaacc	Ni4-A03	(CT) ₅₀	F - acacagaacatcaaacatacc R - ggaccggtttatttgttctg
Ni2-B02	(GGC) ₅	F - cgctgcaattatcgaagc R - cctcatgctctcaagacc	Ni4-A09	(GA) ₂₅	F - aaaggcggaagaagcagc R - tttctcatttgaccgacc

Ni2-B07	(CA) ₁₅	F - agagattcaaaccgagtgcc R - ggggctagcttcatcatcc	Ni4-A10	(GA) ₇₃	F - caagctcctcacaatcc R - tcgctcactctcaatctcc
Ni2-C08	(CT) ₂₀	F - ttactactacggcgaacgg R - aggagctcagatcgtaacgg	Ni4-B06	(GT) ₉	F - ggtaagaaaatgtctgcgc R - ttgctgcaactctcattcg
Ni2-C09	(CT) ₃₉	F - acggaagaatccaacctcg R - tatgcttggaaatggtttgg	Ni4-C09	(CT) ₄₀	F - agcatcaatctttgtctctgc R - tgcacacaaactcctctcc
Ni2-D10	(CT) ₂₉	F - gatgccccaaatctgttacg R - caattcgtgaaaaatagccg	Ni4-C11	(CT) ₂₀	F - ataaggccgatgttctctcc R - cacagttgctttggatctcg
Ni2-E05	(CT) ₃₃	F - ctgctcagggtatgtctg R - cagacagaggatagaccgaacc			
B. rapa derived			O110-A09	(GA) ₅₉	F - gcattgcataactagagagagaga R - cctttcactcaactaaaccatactc
Ra1-A04	(CT) ₄₁	F - gttttccaaattatccccg R - ttcccatggtttctagaggg	O110-A10	(GA) ₃₆	F - cctgaagataggtttgcttcc R - acaaatgcaactactaaattgtcg
Ra2-A01	(GA) ₁₉	F - ttcaaaggataagggcatcg R - tcttctcttttgtgtctctccg	O110-A11	(CCG) ₇	F - cacaatttctcagacaaaacgg R - gagctggctcattcaactcc
Ra2-A11	(CT) ₅₁	F - gacctattttaatagctgttttacg R - acctcaccggagagaaaatcc	O110-B01	(GA) ₂₀	F - cctcttcagtcgaggtctgg R - aatttggaaacagagtcgcc
Ra2-B07	(CA) ₄₅	F - ttaactgctgcaggtcgc R - gggcaaatgtgataaatccg	O110-B02	(GA) ₂₀	F - cagcaacgcgagagagagag R - tgcataagctcgaagagacg
Ra2-E03	(CT) ₁₈	F - aggtagcccatctctctcc R - ccaaaactgtctcaaaccc	O110-B04	(CT-CA) ₉₋₁₁	F - atctctccacgttcatgc R - cgaacttgaagtctgacc
Ra2-E04	(GA) ₁₉	F - acacacaacaaacagctcgc R - aacatcaaacctctcgacgg	O110-B06	(GA) ₂₁	F - gctttggctcgtgtaaattgg R - catcttggttgtgatggttagg
Ra2-E11	(CT) ₂₄	F - ggagccaggagagaagaagg R - cccaaaactccaagaaaagc	O110-B07	(GA) ₃₀	F - aatcaagaagctggaccacg R - acctgaaaccactgtcacc
Ra2-F04	(GA) ₅₂	F - cctacaacacataataaagagagag R - aacaacataaaaagattctcg	O110-B08	(GT) ₁₁	F - aagctgttcgatgaaatgcc R - acttggttgcatcattgcc
Ra2-F11	(CT) ₃₄	F - tgaactagggtttccagcc R - cttcacatggtttgtccc	O110-B11	(GA) ₂₅	F - aaaatgtgaggtctgtttggg R - tttcagcagtaaacatgg
Ra2-G04	(GA) ₅₂	F - aaaacgacgtcatattgggc R - cgcttcttctctcagctctcg	O110-B12	(GA) ₃₄	F - acgagagagagagagcgtgg R - acatctgaggcgtctgtgc
Ra3-D02B	(GA) ₄₄	F - cacagaaaaccgtgcttaga R - aacccaacctcaacgtcttg	O110-C01	(CT) ₃₄	F - atgactgcttaaacagcgc R - ctttccaacaaaagctcgg
Ra3-H10	(GA) ₂₃	F - taatcgcgatctgattcac R - atcagaacagcgacgaggtc	O110-C05	(CT) ₃₉	F - ggctacaaaatgtttgataagctct R - acctgaaagagaggttacacat
BRMS-034	-	F - gatcaataacgaacggagaga R - gagccaagaaaggacttaagat	O110-C10	(CT) ₄₇	F - aagaagcgtagagattgcc R - gcagataagattcagctccc
BRMS-037	-	F - ctgctcgcatttttatac R - tacgcttgggagagaaaactat	O110-D01	(T) ₂₃	F - tctctgcaaaaagcaaatagc R - cttgctctctctcaccacc
BRMS-040	-	F - tcggattgcatgttctgact R - ccgatacaaacagccaactc	O110-D02	(GA) ₃₁	F - catttctcaatgatgaatgtttgg R - ccattgataggagatgggg
BRMS-042	-	F - ggatcagttatctgcaccacaa R - tcggaattgataagaattcaa	O110-D03	(CT) ₂₀	F - gccaaagacctcaaatgg R - aagccacgtgaagaaatgcc
BRMS-042-2	-	F - agctcccagacgcaacaaaaga R - ttcgcttctttctgggaatg	O110-D07	(CT) ₁₉	F - accaaagtggattgattcgc R - ttgtgtaaatgtgagcgg
BRMS-043	-	F - gcgatgttttctcagtgctc R - ttaatcctaccacaatttcc	O110-D08	(CT) ₁₆	F - tccgaacctctaagttagctcc R - gagctgtatgtctcccgtgc
BRMS-050	-	F - aacttgcctcactgattttt R - ttgcttaacgctaaatccat	O110-D09	(GA) ₂₉	F - ggatttcaagactctcggg R - tgccaagtctgtagcttgc
B. oleracia derived			O110-D10	(GT) ₁₃	F - tgagacctaatcagctggc R - agttgggtcgagagaccagg
O109-A01	(GA) ₇₅	F - ttgaagctcattatcgag R - ccgggctctctctctctc	O110-D11	(CT) ₃₄	F - gcattcagacctgaaacc R - aacctcatttggtaagccc
O109-A02	(CT) ₁₉	F - aacaaaaaacctttctcc R - gctaagaaagtcgaagacga	O110-D12	(GT) ₃₉	F - gcaaaaacataactattagattcgtc R - acacacgcacataaacacgc
O109-A03	(GA) ₄₀	F - ctggttttctcttcatcag R - ctgtgtagcttttagcttt	O110-E04	(GGC) ₆	F - ataccgatagtcacggctcg R - ggtggcaacgtcagattacc
O109-A06	(GA) ₁₅	F - tgtgtgaaagctgaaacag	O110-E05	(GA) ₁₆	F - gccagaaacaggagaaatgg

		R - taggattttttgttcaccg			R - aagccgaagaaaataagcg
O110-A02	(GGC) ₇	F - atgaaaaccaatccagtgcc R - gatagcagatggaagagccg	O110-E06	(GA) ₁₉	F - ttggaggcacactctttg R - cagtggtaaacaaggagtcaag
O110-A05	(GA) ₄₃	F - tgtaataacccgacccatcc R - ctctctcgtctctcgatcc	O110-E07	(GT) ₃₉	F - agcaaaacagtaactattagattcg R - cgacacaaaaatatgcacacg
O110-E12	(CT) ₄₆	F - tgctctgcaagatattcccc R - aaccgtcacagatcctgtcc	O111-F12	(TGG) ₄	F - actgctctgttctgatgc R - actcagcgggaccataattg
O110-F04	(GA) ₅₂	F - aattggcttgtagctgtcg R - ataggaatgggatgcacaggg	O111-G11	(CCG) ₅	F - gttgcggcgaacagagaag R - gagtaggcgatcaaacggag
SSR O110-F05	(CT) ₂₆	F - tctatcaaatgtttctcaggg R - cattgcgttctcaatggc	O111-H02	(AAC) ₁₈	F - tcttcagggttccaacgac R - aggctcctcatttgatccc
O110-F06	(GT) ₂₂	F - cattggtttagctattcgtcg R - aattcaaaaactgccgaacg	O111-H05	(GA) ₂₆	F - gacggattccttgaagtgg R - ggtgttttagggcgagctc
O110-F07	(CT) ₁₅	F - acctcgttcaggtaaacg R - gccttgaatctgattgctgc	O111-H06	(CT) ₂₃	F - tccgaacctctaagttagctcc R - ttctcacttcacaggcagc
O110-F08	(GA) ₁₇	F - ctgacacagctagaagagc R - ttgctttggaacctaatcg	O111-H08	(AG) ₂₄	F - atcgaaggcaatcaccaag R - cagtgattcagaggtatagag
O110-F09	(GA) ₁₆	F - agagagcgagattgattggc R - aaacgaccacgagtgattcc	O111-H09	(TC) ₃₄	F - cccctttccccttctattgg R - gtgcgacttgaatttctcc
O110-F11	(GGC) ₇	F - ttggaaactccgtagaagg R - cagctgactcgaaggtcc	O112-A01	(CA) ₄₁	F - cccgcgacgcaaaaatgt R - ctgttcttttagcaaacagt
O110-F12	(CT) ₆₄	F - tccatgtttcatgttgagg R - ctctccggcttacttcc	O112-A04	(CT) ₁₇	F - tgggtaagtaactgtggtggc R - agagtcgcatactctggagc
O110-G02	(GTT- GA) ₉₋₂₄	F - actcccctggagagaggagg R - tgttataactgggtacatgg	O112-B03	(CCG) ₉	F - cgacgaggacagaagacaag R - agagagccatgagaagcacc
O110-G05	(CT) ₄₀	F - tcaatgctctgtagtctttgacc R - agaatgagagcgtggagagg	O112-B05	(CT) ₃₆	F - ggaagcgaagagtgcacgac R - attgggtaaagctgtgctcg
O110-G06	(CT) ₃₂	F - gacaagttccctgtaatggc R - tgtaatcatcacatattttggg	O112-B12	(CGG) ₆	F - gacaaacagctccatcaacg R - caccgaacacactcggtaaac
O110-G08	(GA) ₂₉	F - tgcttaattgattagggcag R - ttacctcatcaggtggaggc	O112-D01	(AG) ₂₅	F - cactcagcactcgtctatgg R - tctcagcactctttaaagc
O110-G09	(CT) ₂₂	F - tgcttcttttcttctgctc R - gaagcacgaacgcgagag	O112-D02	(AG) ₁₈	F - caatcctgttcatcatcgccc R - agtcatatgaagcagctcagg
O110-G12	(GA) ₆₃	F - taggtagtgggtcatgccc R - agaactctctctctgcttgg	O112-D03	(CT) ₅₂	F - tccatgtttcatgttgagg R - ttctctccggttactttc
O110-H02	(GGC) ₈	F - aacaggaagaacgcagagg R - agagagccatgagaagcacc	O112-D04	(CT) ₂₂	F - acgatcccgatcatctcaac R - ttgagatcgaagtgttaggg
O110-H04	(CT) ₂₉	F - tcaccctctatatccacc R - cagaatctgctgaacatcg	O112-D05	(CT) ₃₂	F - tccatgaccaacgacaaggtc R - aagagcgcacttctattgcg
O110-H07	(GA) ₂₉	F - tagagatgcaccgaaggc R - agcttcattcagctggtgg	O112-D09	(CGG) ₄	F - cgagctgaagtgtgatattcg R - actcgttttaccgtcgtc
O110-H12	(CT) ₂₅	F - ctccattcagtgattctgagg R - ttgattgctatcggatcacc	O112-E03	(CCG) ₉	F - ctggaagacttccgacacc R - gacggctaacagtgtgggac
O111-B03	(GGC) ₆	F - atgaaaaccaatccagtgcc R - gatagcagatggaagagccg	O112-F02	(TC) ₂₉	F - ggcccattgatatggagatg R - catttctcaatgatgaatagt
O111-B05	(AG) ₁₄	F - tcgcgacgttgtttgttc R - accatcttctcgacctg	O112-F03	(CT) ₁₅	F - cctcgttcaggtaaacgac R - gacttccgcagctctctgtc
O111-B06	(AG) ₂₇	F - cgattcctctctcgatttc R - atgaccaactgtttcccg	O112-F07	(AG) ₅	F - ttccccttctggaaaaag R - ttaccaccagcaggtattgg
O111-B07	(CGG) ₄	F - ggaagaagagacgaggagttg R - ccattcaaaaatccaccatc	O112-F08A	(GT) ₁₂	F - tgatagatgcgtgaatcag R - agaatgtagatcagttacgg
O111-C02	(GT) ₁₁	F - gcattgcaatctgttggtc R - cgttccatacagatcgtgaagc	O112-F11	(AC) ₁₄	F - aaggactcatcgtgcaatcc R - gtgtcagtggtctacagagac
O111-C10	(CT) ₃₄	F - ggttattggatcgaatgatgg R - cgcttacccttattgcagc	O112-G04	(TC) ₂₄	F - cgaactcttaggccgaatc R - ggtaacctcgggatattg
O111-D12	(CT- CA) ₅₂	F - cctccaccgcactcaattac R - tggagaagttgggacattttc	O113-A10	(CGG) ₇	F - tccgatgtagaatcagcagc R - cgttctcactccgataagc
O111-E03	(GCC) ₆	F - gctctcccagtgagaatcac R - gaaaaccaatccagtgcctg	O113-C03	(AG) ₁₉	F - gatcggagatcggatgagag R - gcatgcaccagtgaaaaactc

O113-C10	(GT) ₁₄	F - tgagaccctaatacagctggc R - agaccagggacgggtcttac	O113-E08	(CT) ₁₁	F - ttcgcaactcctcctagaatc R - aaggtctcaccaccggagtc
O113-C12	(CT) ₂₄	F - agaggccaacaagaacacc R - gaagcagcaccagtgacaag	O113-F08	(GA) ₁₇	F - gtggacgtcatgtcccttc R - cctgaatcgatttctgtcttg
O113-D02A	(CT) ₂₇	F - ttctccacaccaagcaacac R - tacaggcttggtcgttttc	O113-G05	(CCG) ₅	F - gtgtgcaggaaacgatgttc R - gggagtttgaagagaaagcg
O113-E03	(AGG) ₆	F - ctctgttcctctgcccaac R - agggaaaggaaggacacgac	O113-H09	(GT) ₁₀	F - aaggagaggagtgatggacg R - cacattaacacggcacagg

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