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Trifolium strictum	-----	-----	-----	-----	-----
T. glanduliferum	-----	-----	-----	-----	-----
T. boissieri	-----	-----	-----	-----	-----
T. aureum	-----	-----	-----	-----	-----
T.meduseum	-----	-----	-----	-----	-----
T.subterraneum	-----	-----	-----	-----	-----
T.pratense	-----	-----	-----	-----	-----
T.hybridum	-----	-----	-----	-----	-----
T.semipilosum	-----	-----	-----	-----	-----
T.occidentale	-----	-----	-----	-----	-----
T.repens	-----	-----	-----	-----	-----
T.lupinaster	-----	-----	-----	-----	-----
Cicer oxyodon	-----	-----	-----	-----	-----
C. chorrassanicum	-----	-----	-----	-----	-----
C. arietinum	-----	-----	-----	-----	-----
Medicago truncatula_KF	-----	-----	-----	-----	-----
M.truncatula_AC	-----	-----	-----	-----	-----
M.sativa_K	-----	-----	-----	-----	-----
M.sativa	-----	-----	-----	-----	-----
M.papillosa	-----	-----	-----	-----	-----
M.hybrida	-----	-----	-----	-----	-----
M.falcata	-----	-----	-----	-----	-----
M.sativa_KU	-----	-----	-----	-----	-----
Melilotus albus	-----	-----	-----	-----	-----
Hedysarum formosum	-----	-----	-----	-----	-----
H.varium	-----	-----	-----	-----	-----
H.singarense	-----	-----	-----	-----	-----
H.minjanense	-----	-----	-----	-----	-----
Tavniera glabra	-----	-----	-----	-----	-----
T.diffusa	-----	-----	-----	-----	-----
Greuteria membranacea	-----	-----	-----	-----	-----
Corethroedendron scoparium	-----	-----	-----	-----	-----
Eversmannia subspinosa	-----	-----	-----	-----	-----
Onobrychis bungei	-----	-----	-----	-----	-----
O.cornuta	-----	-----	-----	-----	-----
O.michauxii	-----	-----	-----	-----	-----
O.subacaulis	-----	-----	-----	-----	-----
O.teheranica	-----	-----	-----	-----	-----
Alhagi maurorum	-----	-----	-----	-----	-----
Caragana microphylla	-----	-----	-----	-----	-----
C.korshinski	-----	-----	-----	-----	-----
C.kozlowii	-----	-----	-----	-----	-----
C.rosea	-----	-----	-----	-----	-----
Tibetia liangshanensis	-----	-----	-----	-----	-----
Gueldenstaedtia verna	-----	-----	-----	-----	-----
Halimodendron halodendron	-----	-----	-----	-----	-----
Smirnowia turkestanica	-----	-----	-----	-----	-----
Eremosparton flaccidum	-----	-----	-----	-----	-----
Colutea persica	-----	-----	-----	-----	-----
C. triphylla	-----	-----	-----	-----	-----
Sphaerophysa salsula	-----	-----	-----	-----	-----
Podlechiella vogelii	-----	-----	-----	-----	-----
Carmichaelia australis	-----	-----	-----	-----	-----
Sutherlandia frutescens	-----	-----	-----	-----	-----
Astragalus membranaceus	-----	-----	-----	-----	-----
A.mongholicus	-----	-----	-----	-----	-----
A.nakaianus	-----	-----	-----	-----	-----
A.macropelmatus	-----	-----	-----	-----	-----
A.iranicus	-----	-----	-----	-----	-----
A.denudatus	-----	-----	-----	-----	-----
A.odoratus	-----	-----	-----	-----	-----
Oxytropis szovitsii	-----	-----	-----	-----	-----
O.iranica	-----	-----	-----	-----	-----
O.kotschyana	-----	-----	-----	-----	-----
Erophaca baetica	-----	-----	-----	-----	-----
Wisteria floribunda	-----	-----	-----	-----	-----
W. sinensis	-----	-----	-----	-----	-----
Glycyrrhiza lepidota	-----	-----	-----	-----	-----
G.uralensis	-----	-----	-----	-----	-----
G.glabra	-----	-----	-----	-----	-----
Meristotropis xathioides	-----	-----	-----	-----	-----
Robinia pseudoacacia	-----	-----	-----	-----	-----
Lotus japonicus	-----	-----	-----	-----	-----
Vicia alpestris	-----	-----	-----	-----	-----
V.sativa	-----	-----	-----	-----	-----

V.peregrina	-----	-----	-----	-----	-----
V.sepium	-----	-----	-----	-----	-----
V.faba	-----	-----	-----	-----	-----
V.canescens	-----	-----	-----	-----	-----
V.monantha	-----	-----	-----	-----	-----
V.tetrasperma	-----	-----	-----	-----	-----
V.narbonensis	-----	-----	-----	-----	-----
Lens culinaris	-----	-----	-----	-----	-----
L.orientalis	-----	-----	-----	-----	-----
V.ervilia	-----	-----	-----	-----	-----
Galega officinalis	-----	-----	-----	-----	-----
Lathyrus palustris_K	-----	-----	-----	-----	-----
L.palustris_H	-----	-----	-----	-----	-----
L.davidii	-----	-----	-----	-----	-----
L.japonicus	-----	-----	-----	-----	-----
L.ochroleucus	-----	-----	-----	-----	-----
L.littoralis	-----	-----	-----	-----	-----
L.venosus	-----	-----	-----	-----	-----
L.graminifolius	-----	-----	-----	-----	-----
L.pubescens	-----	-----	-----	-----	-----
L.sativus_KJ	-----	-----	-----	-----	-----
L.sativus_HM	-----	-----	-----	-----	-----
L.pseudocicera	-----	-----	-----	-----	-----
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	ATGAACATAA	AGCAGTGGTT	TCACAGGATA	AAGCAAGGGT	GCCAAAGGAT
L.latifolius	ATGGACATAA	AACAGTGGTT	CCACAGGATA	AAGCAAGGGT	TCCAAAGGAT
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	-----	-----	-----	-----	-----
Pisum sativum_K	-----	-----	-----	-----	-----
Pisum sativum_HG	-----	-----	-----	-----	-----
Pisum fulvum	-----	-----	-----	-----	-----
Vavilovia formosa	-----	-----	-----	-----	-----
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	-----	-----	-----	-----	-----

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T. pratense	-----	-----	-----	-----	-----
T. hybridum	-----	-----	-----	-----	-----
T. semipilosum	-----	-----	-----	-----	-----
T. occidentale	-----	-----	-----	-----	-----
T. repens	-----	-----	-----	-----	-----
T. lupinaster	-----	-----	-----	-----	-----
Cicer oxyodon	-----	-----	-----	-----	-----
C. chorrassanicum	-----	-----	-----	-----	-----
C. arietinum	-----	-----	-----	-----	-----
Medicago truncatula_KF	-----	-----	-----	-----	-----
M. truncatula_AC	-----	-----	-----	-----	-----
M. sativa_K	-----	-----	-----	-----	-----
M. sativa	-----	-----	-----	-----	-----
M. papillosa	-----	-----	-----	-----	-----
M. hybrida	-----	-----	-----	-----	-----
M. falcata	-----	-----	-----	-----	-----
M. sativa_KU	-----	-----	-----	-----	-----
Melilotus albus	-----	-----	-----	-----	-----
Hedysarum formosum	-----	-----	-----	-----	-----
H. varium	-----	-----	-----	-----	-----
H. singarense	-----	-----	-----	-----	-----
H. minjanense	-----	-----	-----	-----	-----
Tavniera glabra	-----	-----	-----	-----	-----
T. diffusa	-----	-----	-----	-----	-----
Greuteria membranacea	-----	-----	-----	-----	-----
Corethroedendron scoparium	-----	-----	-----	-----	-----
Eversmannia subspinosa	-----	-----	-----	-----	-----
Onobrychis bungei	-----	-----	-----	-----	-----
O. cornuta	-----	-----	-----	-----	-----
O. michauxii	-----	-----	-----	-----	-----
O. subacaulis	-----	-----	-----	-----	-----
O. teheranica	-----	-----	-----	-----	-----
Alhagi maurorum	-----	-----	-----	-----	-----
Caragana microphylla	-----	-----	-----	-----	-----
C. korshinski	-----	-----	-----	-----	-----
C. kozlowii	-----	-----	-----	-----	-----
C. rosea	-----	-----	-----	-----	-----
Tibetia liangshanensis	-----	-----	-----	-----	-----
Gueldenstaedtia verna	-----	-----	-----	-----	-----
Halimodendron halodendron	-----	-----	-----	-----	-----
Smirnowia turkestanica	-----	-----	-----	-----	-----
Eremosparton flaccidum	-----	-----	-----	-----	-----
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C. triphylla	-----	-----	-----	-----	-----
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Podlechiella vogelii	-----	-----	-----	-----	-----
Carmichaelia australis	-----	-----	-----	-----	-----
Sutherlandia frutescens	-----	-----	-----	-----	-----
Astragalus membranaceus	-----	-----	-----	-----	-----
A. mongholicus	-----	-----	-----	-----	-----
A. nakaianus	-----	-----	-----	-----	-----
A. macropelmatus	-----	-----	-----	-----	-----
A. iranicus	-----	-----	-----	-----	-----
A. denudatus	-----	-----	-----	-----	-----
A. odoratus	-----	-----	-----	-----	-----
Oxytropis szovitsii	-----	-----	-----	-----	-----
O. iranica	-----	-----	-----	-----	-----
O. kotschyana	-----	-----	-----	-----	-----
Erophaca baetica	-----	-----	-----	-----	-----
Wisteria floribunda	-----	-----	-----	-----	-----
W. sinensis	-----	-----	-----	-----	-----
Glycyrrhiza lepidota	-----	-----	-----	-----	-----
G. uralensis	-----	-----	-----	-----	-----
G. glabra	-----	-----	-----	-----	-----
Meristotropis xathioides	-----	-----	-----	-----	-----
Robinia pseudoacacia	-----	-----	-----	-----	-----
Lotus japonicus	-----	-----	-----	-----	-----
Vicia alpestris	-----	-----	-----	-----	-----
V. sativa	-----	-----	-----	-----	-----
V. peregrina	-----	-----	-----	-----	-----
V. sepium	-----	-----	-----	-----	-----
V. faba	-----	-----	-----	-----	-----

V.canescens	-----	-----	-----	-----	-----
V.monantha	-----	-----	-----	-----	-----
V.tetrasperma	-----	-----	-----	-----	-----
V.narbonensis	-----	-----	-----	-----	-----
Lens culinaris	-----	-----	-----	-----	-----
L.orientalis	-----	-----	-----	-----	-----
V.ervilia	-----	-----	-----	-----	-----
Galega officinalis	-----	-----	-----	-----	-----
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L.ochroleucus	-----	-----	-----	-----	-----
L.littoralis	-----	-----	-----	-----	-----
L.venosus	-----	-----	-----	-----	-----
L.graminifolius	-----	-----	-----	-----	-----
L.pubescens	-----	-----	-----	-----	-----
L.sativus_KJ	-----	-----AT	GGATCTAAAA	GACTTGAAAA	GATTTTTGAA
L.sativus_HM	-----	-----AT	GGATCTAAAA	GACTTGAAAA	GATTTTTGAA
L.pseudocicera	-----	-----	-----	-----	-----
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	TTGGCAGAAT	ATCAGATCCT	TCTTCTCAA	AACTGAAACA	AAAAACGGAG
L.latifolius	TTGGCAGAAT	ATCAGATCCT	TCTTCTCAA	AACTGAAAAA	ACAAATGGAG
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	-----	-----	-----	-----	-----
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L.clymenum	-----	-----	-----	-----	-----
L.ochrus	-----	-----	-----	-----	-----

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L.sativus_KJ	AAACCTGTGG	ATCTGGAAAA	AAAGACACTG	TAAAAGATTT	TTGAAAAACC
L.sativus_HM	AAACCTGTGG	ATCTGGAAAA	AAAGACACTG	TAAAAGATTT	TTGAAAAACC
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L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	GGCATGTTAT	TTCTTTTATG	AACAAAGAGT	TCAAAAAGAT	C'TTGAAAAG
L.latifolius	GACATGTTAT	TTCTTTTATG	AACAAAGAGT	TCAAAAAGAT	C'TTTTCCAAG
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V.ervilia	-----	-----	-----	-----	-----
Galega officinalis	-----	-----	-----	-----	-----
Lathyrus palustris_K	-----ATG	AATAAAAAA-	-----AA	AATTGTTCTA	GTTATCGCCC
L.palustris_H	-----ATG	AATAAAAAA-	-----AA	AATACTTCTA	GTTATCATTC
L.davidii	-----ATG	AAAAAAAAAAT	TTAGTCTAAA	AATTCCTAGA	GTTTTGACTC
L.japonicus	-----ATG	AAAAAAAAA-	-----AA	AAATTTTCTA	GTTATCACAC
L.ochroleucus	-----ATG	ACTACTAAA-	-----AAGAA	AATTTTTCTC	GTTATTGCGC
L.littoralis	-----	---ATGAAA-	-----AA	AATATTTCTA	GTTATTACAC
L.venosus	-----ATG	GAAAAAAAAA-	-----AA	AATTTTGCTC	GTTATCACCC
L.graminifolius	-----	ATGAAAAAA-	-----CA	AGTTGCGCTA	GTTATGGTGC
L.pubescens	-----ATG	AATAAAAAAGT	---ACAAAAA	AGTGGTTTTG	ATTATAGTTA
L.sativus_KJ	TGTGGATCTG	GAAAAAAGA	CACTGTATTA	TTATTACAGT	GACACATATT
L.sativus_HM	TGTGGATCTG	GAAAAAAGA	CACTGTATTA	TTATTACAGT	GACACATATT
L.pseudocicera	-----	-----	-----	-----	-----
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	ATCTTTTCA	AGATAAAGAT	CGTTTTCTTG	ATCTTGAAAA	AAAGGAAAAT
L.latifolius	ATCTTTTCA	AGATAAAGAT	CGTTTCCAAG	ATTTTGAAAA	AAAGGAAAAT
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	-----	-----	-----	-----	-----
Pisum sativum_K	-----	-----	-----	-----	-----
Pisum sativum_HG	-----	-----	-----	-----	-----
Pisum fulvum	-----	-----	-----	-----	-----
Vavilovia formosa	-----	-----	-----	-----	-----
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	-----	-----	-----	-----	-----

Trifolium strictum	-----	-----	-----	-----	-----
T. glanduliferum	-----	-----	-----	-----	-----
T. boissieri	-----	-----	-----	-----	-----
T. aureum	-----	-----	-----	-----	-----
T. meduseum	-----	-----	-----	-----	-----
T. subterraneum	-----	-----	-----	-----	-----
T. pratense	-----	-----	-----	-----	-----
T. hybridum	-----	-----	-----	-----	-----
T. semipilosum	-----	-----	-----	-----	-----
T. occidentale	-----	-----	-----	-----	-----
T. repens	-----	-----	-----	-----	-----
T. lupinaster	-----	-----	-----	-----	-----
Cicer oxyodon	-----	-----	-----	-----	-----
C. chorrassanicum	-----	-----	-----	-----	-----
C. arietinum	-----	-----	-----	-----	-----
Medicago truncatula_KF	-----	-----	-----	-----	-----
M. truncatula_AC	-----	-----	-----	-----	-----
M. sativa_K	-----	-----	-----	-----	-----
M. sativa	-----	-----	-----	-----	-----
M. papillosa	-----	-----	-----	-----	-----
M. hybrida	-----	-----	-----	-----	-----
M. falcata	-----	-----	-----	-----	-----
M. sativa_KU	-----	-----	-----	-----	-----
Melilotus albus	-----	-----	-----	-----	-----
Hedysarum formosum	-----	-----	-----	-----	-----
H. varium	-----	-----	-----	-----	-----
H. singarense	-----	-----	-----	-----	-----
H. minjanense	-----	-----	-----	-----	-----
Tavniera glabra	-----	-----	-----	-----	-----
T. diffusa	-----	-----	-----	-----	-----
Greuteria membranacea	-----	-----	-----	-----	-----
Corethroedendron scoparium	-----	-----	-----	-----	-----
Eversmannia subspinosa	-----	-----	-----	-----	-----
Onobrychis bungei	-----	-----	-----	-----	-----
O. cornuta	-----	-----	-----	-----	-----
O. michauxii	-----	-----	-----	-----	-----
O. subacaulis	-----	-----	-----	-----	-----
O. teheranica	-----	-----	-----	-----	-----
Alhagi maurorum	-----	-----	-----	-----	-----
Caragana microphylla	-----	-----	-----	-----	-----
C. korshinski	-----	-----	-----	-----	-----
C. kozlowii	-----	-----	-----	-----	-----
C. rosea	-----	-----	-----	-----	-----
Tibetia liangshanensis	-----	-----	-----	-----	-----
Gueldenstaedtia verna	-----	-----	-----	-----	-----
Halimodendron halodendron	-----	-----	-----	-----	-----
Smirnowia turkestanica	-----	-----	-----	-----	-----
Eremosparton flaccidum	-----	-----	-----	-----	-----
Colutea persica	-----	-----	-----	-----	-----
C. triphylla	-----	-----	-----	-----	-----
Sphaerophysa salsula	-----	-----	-----	-----	-----
Podlechiella vogelii	-----	-----	-----	-----	-----
Carmichaelia australis	-----	-----	-----	-----	-----
Sutherlandia frutescens	-----	-----	-----	-----	-----
Astragalus membranaceus	-----	-----	-----	-----	-----
A. mongholicus	-----	-----	-----	-----	-----
A. nakaianus	-----	-----	-----	-----	-----
A. macropelmatus	-----	-----	-----	-----	-----
A. iranicus	-----	-----	-----	-----	-----
A. denudatus	-----	-----	-----	-----	-----
A. odoratus	-----	-----	-----	-----	-----
Oxytropis szovitsii	-----	-----	-----	-----	-----
O. iranica	-----	-----	-----	-----	-----
O. kotschyana	-----	-----	-----	-----	-----
Erophaca baetica	-----	-----	-----	-----	-----
Wisteria floribunda	-----	-----	-----	-----	-----
W. sinensis	-----	-----	-----	-----	-----
Glycyrrhiza lepidota	-----	-----	-----	-----	-----
G. uralensis	-----	-----	-----	-----	-----
G. glabra	-----	-----	-----	-----	-----
Meristotropis xathioides	-----	-----	-----	-----	-----
Robinia pseudoacacia	-----	-----	-----	-----	-----
Lotus japonicus	-----	-----	-----	-----	-----
Vicia alpestris	-----	-----	-----	-----	-----
V. sativa	-----	-----	-----	-----	-----
V. peregrina	-----	-----	-----	-----	-----
V. sepium	-----	-----	-----	-----	-----
V. faba	-----	-----	-----	-----	-----

V.canescens	-----	-----	-----	-----	-----
V.monantha	-----	-----	-----	-----	-----
V.tetrasperma	-----	-----	-----	-----	-----
V.narbonensis	-----	-----	-----	-----	-----
Lens culinaris	-----	-----	-----	-----	-----
L.orientalis	-----	-----	-----	-----	-----
V.ervilia	-----	-----	-----	-----	-----
Galega officinalis	-----	-----	-----	-----	-----
Lathyrus palustris_K	ATGTTGCCTT	CACCATCTAT	ATCTGCCGGT	ACACAGGAGA	C----CTTTT
L.palustris_H	ATGTGGCCTT	CAGCACCTAT	ATGGGCTGGT	ACACAGGAGA	T----CTTTT
L.davidii	AGATTGCTTT	CAGCACGTAC	ATGACCCGGT	ACGTTTTGGA	C----CTTTT
L.japonicus	ATGTTGCATT	TAGCATTTAT	ATGACTCAGT	ACGCGGGGA	C----CTTTT
L.ochroleucus	AAGTGGCCTT	CAGCGTCTAT	TTAACCCGGT	ACACAGGTAA	C----CTTTT
L.littoralis	ACGTAGCCTT	CAACATATAT	ATTAGCCGGT	ACACGTGGGA	G----CTTTT
L.venosus	AGGTTGCCTT	CAGCATATAC	ATAAGCCAGT	ATACAGGGAG	C----CTTTT
L.graminifolius	ACGTTGCCTT	CAACATTTTT	CTCACTCGCC	ACATAGGGGT	C----CTTTT
L.pubescens	GTGTTGGGTT	GAATCTATAC	GTGGCGTTCT	ATCTCGGTCTG	TA-TACTTTC
L.sativus_KJ	TTCTTGCATG	GAACTTACCT	TTTAAGTATA	TTAAAAGTAA	TAGTTCTTCT
L.sativus_HM	TTCTTGCATG	GAACTTACCT	TTTAAGTATA	TTAAAAGTAA	TAGTTCTTCT
L.pseudocicera	---ATGCATG	GAACTTACCT	GTTATGGATA	ATAAAGACAA	TCATTCTTCT
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	AATTTTTGTT	ATTTTTTTGA	ACCTTTTTTTT	GAACGGAGCT	TTAATCTTGA
L.latifolius	AATTTTTGTT	ATTTTTTTGA	CCCTTTTTTTG	TAACGGAGCT	TTAATCTTGA
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	-----	-----	-----	-----	-----
Pisum sativum_K	-----	-----	-----	-----	-----
Pisum sativum_HG	-----	-----	-----	-----	-----
Pisum fulvum	-----	-----	-----	-----	-----
Vavilovia formosa	-----	-----	-----	-----	-----
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	-----	-----	-----	-----	-----

Trifolium strictum	-----	-----	-----	-----	-----
T. glanduliferum	-----	-----	-----	-----	-----
T. boissieri	-----	-----	-----	-----	-----
T. aureum	-----	-----	-----	-----	-----
T. meduseum	-----	-----	-----	-----	-----
T. subterraneum	-----	-----	-----	-----	-----
T. pratense	-----	-----	-----	-----	-----
T. hybridum	-----	-----	-----	-----	-----
T. semipilosum	-----	-----	-----	-----	-----
T. occidentale	-----	-----	-----	-----	-----
T. repens	-----	-----	-----	-----	-----
T. lupinaster	-----	-----	-----	-----	-----
Cicer oxyodon	-----	-----	-----	-----	-----
C. chorrassanicum	-----	-----	-----	-----	-----
C. arietinum	-----	-----	-----	-----	-----
Medicago truncatula_KF	-----	-----	-----	-----	-----
M. truncatula_AC	-----	-----	-----	-----	-----
M. sativa_K	-----	-----	-----	-----	-----
M. sativa	-----	-----	-----	-----	-----
M. papillosa	-----	-----	-----	-----	-----
M. hybrida	-----	-----	-----	-----	-----
M. falcata	-----	-----	-----	-----	-----
M. sativa_KU	-----	-----	-----	-----	-----
Melilotus albus	-----	-----	-----	-----	-----
Hedysarum formosum	-----	-----	-----	-----	-----
H. varium	-----	-----	-----	-----	-----
H. singarense	-----	-----	-----	-----	-----
H. minjanense	-----	-----	-----	-----	-----
Tavniera glabra	-----	-----	-----	-----	-----
T. diffusa	-----	-----	-----	-----	-----
Greuteria membranacea	-----	-----	-----	-----	-----
Corethroedendron scoparium	-----	-----	-----	-----	-----
Eversmannia subspinosa	-----	-----	-----	-----	-----
Onobrychis bungei	-----	-----	-----	-----	-----
O. cornuta	-----	-----	-----	-----	-----
O. michauxii	-----	-----	-----	-----	-----
O. subacaulis	-----	-----	-----	-----	-----
O. teheranica	-----	-----	-----	-----	-----
Alhagi maurorum	-----	-----	-----	-----	-----
Caragana microphylla	-----	-----	-----	-----	-----
C. korshinski	-----	-----	-----	-----	-----
C. kozlowii	-----	-----	-----	-----	-----
C. rosea	-----	-----	-----	-----	-----
Tibetia liangshanensis	-----	-----	-----	-----	-----
Gueldenstaedtia verna	-----	-----	-----	-----	-----
Halimodendron halodendron	-----	-----	-----	-----	-----
Smirnowia turkestanica	-----	-----	-----	-----	-----
Eremosparton flaccidum	-----	-----	-----	-----	-----
Colutea persica	-----	-----	-----	-----	-----
C. triphylla	-----	-----	-----	-----	-----
Sphaerophysa salsula	-----	-----	-----	-----	-----
Podlechiella vogelii	-----	-----	-----	-----	-----
Carmichaelia australis	-----	-----	-----	-----	-----
Sutherlandia frutescens	-----	-----	-----	-----	-----
Astragalus membranaceus	-----	-----	-----	-----	-----
A. mongholicus	-----	-----	-----	-----	-----
A. nakaianus	-----	-----	-----	-----	-----
A. macropelmatus	-----	-----	-----	-----	-----
A. iranicus	-----	-----	-----	-----	-----
A. denudatus	-----	-----	-----	-----	-----
A. odoratus	-----	-----	-----	-----	-----
Oxytropis szovitsii	-----	-----	-----	-----	-----
O. iranica	-----	-----	-----	-----	-----
O. kotschyana	-----	-----	-----	-----	-----
Erophaca baetica	-----	-----	-----	-----	-----
Wisteria floribunda	-----	-----	-----	-----	-----
W. sinensis	-----	-----	-----	-----	-----
Glycyrrhiza lepidota	-----	-----	-----	-----	-----
G. uralensis	-----	-----	-----	-----	-----
G. glabra	-----	-----	-----	-----	-----
Meristotropis xathioides	-----	-----	-----	-----	-----
Robinia pseudoacacia	-----	-----	-----	-----	-----
Lotus japonicus	-----	-----	-----	-----	-----
Vicia alpestris	-----	-----	-----	-----	-----
V. sativa	-----	-----	-----	-----	-----
V. peregrina	-----	-----	-----	-----	-----
V. sepium	-----	-----	-----	-----	-----
V. faba	-----	-----	-----	-----	-----

V.canescens	-----	-----	-----	-----	-----
V.monantha	-----	-----	-----	-----	-----
V.tetrasperma	-----	-----	-----	-----	-----
V.narbonensis	-----	-----	-----	-----	-----
Lens culinaris	-----	-----	-----	-----	-----
L.orientalis	-----	-----	-----	-----	-----
V.ervilia	-----	-----	-----	-----	-----
Galega officinalis	-----	-----	-----	-----	-----
Lathyrus palustris_K	A-----AG	AAAGGTCAAT	CTTGATCTAA	C--AGATAAA	CTCGCCTTTA
L.palustris_H	A-----AG	AAGTGTAAC	CTTGATCTAA	A--AGATAAA	CTAGCTGTTA
L.davidii	C-----AG	ACAATTAAAT	CTTGATGTAA	G--AAATAAG	CTAGCCCTTC
L.japonicus	A-----AG	AAAATTGAAC	CTTGATCTAA	G--AGATAAG	CTCGCCTTTA
L.ochroleucus	A-----AG	AAAATTAAAT	CTGGATCTAA	G--TGATAAG	CTGGCCTTTG
L.littoralis	A-----AG	AAAATTAAAC	CTAGATCTAA	C--AGATAAG	CTCGCCTTTA
L.venosus	A-----AG	AAAATTAAAT	ATGGACCTAA	G--TGATAAG	CTGGCCTTTG
L.graminifolius	A-----AA	AAAATTAAAC	CTGGATTTAA	G--CGATAAG	CTGGCCTTTG
L.pubescens	GCGGCGCTAT	GGAATCCAAC	CTGTTCTTAA	CCTTATCGAC	CCACCCTTTC
L.sativus_KJ	CCTAGAAAGA	AGCCGCCCGT	ATCCGCCACA	CATCCTGGTG	GATTTATTTA
L.sativus_HM	CCTAGAAAGA	AGCCGCCCGT	ATCCGCCACA	CATCCTGGTG	GATTTATTTA
L.pseudocicera	CGTGCACAAA	AGCC---CAT	CTAAGACAAA	CATTGTGTTG	GATTTCTTAA
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	TGATCATAAA	AGTGATCAAT	ATGAGCCTTG	CAATAACCCA	AGTTACGCAA
L.latifolius	TGATCATAAA	AATGATCAAT	ATAGGCCTTG	CAATAACCCA	AGTTACGCAA
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	-----	-----	-----	-----	-----
Pisum sativum_K	-----	-----	-----	-----	-----
Pisum sativum_HG	-----	-----	-----	-----	-----
Pisum fulvum	-----	-----	-----	-----	-----
Vavilovia formosa	-----	-----	-----	-----	-----
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	-----	-----	-----	ATGAAGAATA	GCATGGAAAA

Trifolium strictum	-----	-----	-----	-----	-----
T. glanduliferum	-----	-----	-----	-----	-----
T. boissieri	-----	-----	-----	-----	-----
T. aureum	-----	-----	-----	-----	-----
T. meduseum	-----	-----	-----	-----	-----
T. subterraneum	-----	-----	-----	-----	-----
T. pratense	-----	-----	-----	-----	-----
T. hybridum	-----	-----	-----	-----	-----
T. semipilosum	-----	-----	-----	-----	-----
T. occidentale	-----	-----	-----	-----	-----
T. repens	-----	-----	-----	-----	-----
T. lupinaster	-----	-----	-----	-----	-----
Cicer oxyodon	-----	-----	-----	-----	-----
C. chorrassanicum	-----	-----	-----	-----	-----
C. arietinum	-----	-----	-----	-----	-----
Medicago truncatula_KF	-----	-----	-----	-----	-----
M. truncatula_AC	-----	-----	-----	-----	-----
M. sativa_K	-----	-----	-----	-----	-----
M. sativa	-----	-----	-----	-----	-----
M. papillosa	-----	-----	-----	-----	-----
M. hybrida	-----	-----	-----	-----	-----
M. falcata	-----	-----	-----	-----	-----
M. sativa_KU	-----	-----	-----	-----	-----
Melilotus albus	-----	-----	-----	-----	-----
Hedysarum formosum	-----	-----	-----	-----	-----
H. varium	-----	-----	-----	-----	-----
H. singarense	-----	-----	-----	-----	-----
H. minjanense	-----	-----	-----	-----	-----
Tavniera glabra	-----	-----	-----	-----	-----
T. diffusa	-----	-----	-----	-----	-----
Greuteria membranacea	-----	-----	-----	-----	-----
Corethroedendron scoparium	-----	-----	-----	-----	-----
Eversmannia subspinosa	-----	-----	-----	-----	-----
Onobrychis bungei	-----	-----	-----	-----	-----
O. cornuta	-----	-----	-----	-----	-----
O. michauxii	-----	-----	-----	-----	-----
O. subacaulis	-----	-----	-----	-----	-----
O. teheranica	-----	-----	-----	-----	-----
Alhagi maurorum	-----	-----	-----	-----	-----
Caragana microphylla	-----	-----	-----	-----	-----
C. korshinski	-----	-----	-----	-----	-----
C. kozlowii	-----	-----	-----	-----	-----
C. rosea	-----	-----	-----	-----	-----
Tibetia liangshanensis	-----	-----	-----	-----	-----
Gueldenstaedtia verna	-----	-----	-----	-----	-----
Halimodendron halodendron	-----	-----	-----	-----	-----
Smirnowia turkestanica	-----	-----	-----	-----	-----
Eremosparton flaccidum	-----	-----	-----	-----	-----
Colutea persica	-----	-----	-----	-----	-----
C. triphylla	-----	-----	-----	-----	-----
Sphaerophysa salsula	-----	-----	-----	-----	-----
Podlechiella vogelii	-----	-----	-----	-----	-----
Carmichaelia australis	-----	-----	-----	-----	-----
Sutherlandia frutescens	-----	-----	-----	-----	-----
Astragalus membranaceus	-----	-----	-----	-----	-----
A. mongholicus	-----	-----	-----	-----	-----
A. nakaianus	-----	-----	-----	-----	-----
A. macropelmatus	-----	-----	-----	-----	-----
A. iranicus	-----	-----	-----	-----	-----
A. denudatus	-----	-----	-----	-----	-----
A. odoratus	-----	-----	-----	-----	-----
Oxytropis szovitsii	-----	-----	-----	-----	-----
O. iranica	-----	-----	-----	-----	-----
O. kotschyana	-----	-----	-----	-----	-----
Erophaca baetica	-----	-----	-----	-----	-----
Wisteria floribunda	-----	-----	-----	-----	-----
W. sinensis	-----	-----	-----	-----	-----
Glycyrrhiza lepidota	-----	-----	-----	-----	-----
G. uralensis	-----	-----	-----	-----	-----
G. glabra	-----	-----	-----	-----	-----
Meristotropis xathioides	-----	-----	-----	-----	-----
Robinia pseudoacacia	-----	-----	-----	-----	-----
Lotus japonicus	-----	-----	-----	-----	-----
Vicia alpestris	-----	-----	-----	-----	-----
V. sativa	-----	-----	-----	-----	-----
V. peregrina	-----	-----	-----	-----	-----
V. sepium	-----	-----	-----	-----	-----
V. faba	-----	-----	-----	-----	-----

V.canescens	-----	-----	-----	-----	-----
V.monantha	-----	-----	-----	-----	-----
V.tetrasperma	-----	-----	-----	-----	-----
V.narbonensis	-----	-----	-----	-----	-----
Lens culinaris	-----	-----	-----	-----	-----
L.orientalis	-----	-----	-----	-----	-----
V.ervilia	-----	-----	-----	-----	-----
Galega officinalis	-----	-----	-----	-----	-----
Lathyrus palustris_K	TTACAGCCAC	AGTAGAATTC	TTTGTGATTA	TACTTCGCAT	TGTT-----
L.palustris_H	TTACAGCCAC	AGTAGAATTC	TTTGTTCATTA	TACTTCGAAT	TGTT-----
L.davidii	TTACCGCAGT	AATAGAATTC	GGAGTAATTA	TACTGCCAAT	TGTT-----
L.japonicus	TTACGGCTAT	ATTTGAATTC	TTTGTTCATTA	TACTGCGCAT	TGTT-----
L.ochroleucus	TTACGGCGAT	ATTAGACTTC	ACAGTAATAA	TACTGCGCAT	TCTT-----
L.littoralis	TTACGGCTAT	ATTTGAATTC	TTTGTTCATTA	TACTGCGCAT	TGTT-----
L.venosus	TTACGGCGAT	AGTAGAATTC	TTTGTGATTA	TCTTGCGAAT	AGTT-----
L.graminifolius	TTGTAGCTAT	CGTCGATTC	TTTGTAATCA	TACTGCGCAT	CGTT-----
L.pubescens	TCATGGAACA	AGTGGAAATC	TTGGGAAGTG	TGGTGAAAAT	GCTTAGTTTG
L.sativus_KJ	TTTTATGTTT	TGCGGCCTTT	CTTTTTAGGA	ATATCTTTTT	CGTTTTGTTT
L.sativus_HM	TTTTATGTTT	TGCGGCCTTT	CTTTTTAGGA	ATATCTTTTT	CGTTTTGTTT
L.pseudocicera	TGTTCTGTTT	TGGGGTGTTT	CTGTTTAGGA	ACATAGTGTT	CGTTTTATTT
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	GATAAC--TT	GGTCTCGTTT	TTGATTGTCC	TTTTTCTCTT	TTTGTTTCAA
L.latifolius	GATAAC--TT	GGTCTCGTTT	TTGATTGGCC	TTTTTCTCTT	CTTGTTTCAA
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	-----	-----	-----	-----	-----
Pisum sativum_K	-----	-----	-----	-----	-----
Pisum sativum_HG	-----	-----	-----	-----	-----
Pisum fulvum	-----	-----	-----	-----	-----
Vavilovia formosa	-----	-----	-----	-----	-----
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	ACGGACTCTG	ACTTTGCTGA	ATTTTTATCG	GGTTAATAAG	AAGGCTATTT

Trifolium strictum	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
T. glanduliferum	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
T. boissieri	-----	-----	-ATGTCTGCC	TTATTGGTTC	ATGTTCCAAA
T. aureum	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
T. meduseum	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCCAA
T. subterraneum	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCCAA
T. pratense	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
T. hybridum	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
T. semipilosum	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
T. occidentale	-----	-----	-ATGTCTGCT	TTATTAGTTC	ATGTTCCAAA
T. repens	-----	-----	-ATGTCTGCT	TTATTAGTTC	ATGTTCCAAA
T. lupinaster	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
Cicer oxyodon	-----	-----	-ATGTCTGCT	TTATTCGTTT	ATGTTCCAAA
C. chorrassanicum	-----	-----	-ATGTCTGTT	TTATTCGTTT	ATGTTCCAAA
C. arietinum	-----	-----	-ATGTCTGCT	TTATTCGTTT	ATGTTCCAAA
Medicago truncatula_KF	-----	-----	-ATGTCTGCT	TTATTGGTTA	ATGTTCCAAA
M. truncatula_AC	-----	-----	-ATGTCTGCT	TTATTGGTTA	ATGTTCCAAA
M. sativa_K	-----	-----	-ATGTCTGCT	TTATTGGTTA	ATGTTCCAAA
M. sativa	-----	-----	-ATGTCTGCT	TTATTGGTTA	ATGTTCCAAA
M. papillosa	-----	-----	-ATGTCTGCT	TTATTGGTTA	ATGTTCCAAA
M. hybrida	-----	-----	-ATGTCTGCT	TTATTGGTTA	ATGTTCCAAA
M. falcata	-----	-----	-ATGTCTGCT	TTATTGGTTA	ATGTTCCAAA
M. sativa_KU	-----	-----	-ATGTCTGCT	TTATTGGTTA	ATGTTCCAAA
Melilotus albus	-----	-----	-ATGTCTGCT	TTATTGGTTA	ATGTTCCAAA
Hedysarum formosum	-----	-----	-----	-----	-----
H. varium	-----	-----	-----	-----	-----
H. singarense	-----	-----	-----	-----	-----
H. minjanense	-----	-----	-----	-----	-----
Tavniera glabra	-----	-----	-----	-----	-----
T. diffusa	-----	-----	-----	-----	-----
Greuteria membranacea	-----	-----	-----	-----	-----
Corethroedendron scoparium	-----	-----	-----	-----	-----
Eversmannia subspinosa	-----	-----	-----	-----	-----
Onobrychis bungei	-----	-----	-----	-----	-----
O. cornuta	-----	-----	-----	-----	-----
O. michauxii	-----	-----	-----	-----	-----
O. subacaulis	-----	-----	-----	-----	-----
O. teheranica	-----	-----	-----	-----	-----
Alhagi maurorum	-----	-----	-----	-----	-----
Caragana microphylla	-----	-----	-----	-----	-----
C. korshinski	-----	-----	-----	-----	-----
C. kozlowii	-----	-----	-----	-----	-----
C. rosea	-----	-----	-----	-----	-----
Tibetia liangshanensis	-----	-----	-----	-----	-----
Gueldenstaedtia verna	-----	-----	-----	-----	-----
Halimodendron halodendron	-----	-----	-----	-----	-----
Smirnowia turkestanica	-----	-----	-----	-----	-----
Eremosparton flaccidum	-----	-----	-----	-----	-----
Colutea persica	-----	-----	-----	-----	-----
C. triphylla	-----	-----	-----	-----	-----
Sphaerophysa salsula	-----	-----	-----	-----	-----
Podlechiella vogelii	-----	-----	-----	-----	-----
Carmichaelia australis	-----	-----	-----	-----	-----
Sutherlandia frutescens	-----	-----	-----	-----	-----
Astragalus membranaceus	-----	-----	-----	-----	-----
A. mongholicus	-----	-----	-----	-----	-----
A. nakaianus	-----	-----	-----	-----	-----
A. macropelmatus	-----	-----	-----	-----	-----
A. iranicus	-----	-----	-----	-----	-----
A. denudatus	-----	-----	-----	-----	-----
A. odoratus	-----	-----	-----	-----	-----
Oxytropis szovitsii	-----	-----	-----	-----	-----
O. iranica	-----	-----	-----	-----	-----
O. kotschyana	-----	-----	-----	-----	-----
Erophaca baetica	-----	-----	-----	-----	-----
Wisteria floribunda	-----	-----	-----	-----	-----
W. sinensis	-----	-----	-----	-----	-----
Glycyrrhiza lepidota	-----	-----	-----	-----	-----
G. uralensis	-----	-----	-----	-----	-----
G. glabra	-----	-----	-----	-----	-----
Meristotropis xathioides	-----	-----	-----	-----	-----
Robinia pseudoacacia	-----	-----	-----	-----	-----
Lotus japonicus	-----	-----	-----	-----	-----
Vicia alpestris	-----	-----	-ATGTCTGCT	TTATTGGTTC	CTGTTCCAAA
V. sativa	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTACAAA
V. peregrina	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTACAAA
V. sepium	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTACAAA
V. faba	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA

V.canescens	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
V.monantha	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
V.tetrasperma	-----	-----	-ATGTCTGGT	TTATTGGTTC	ATGTTCCAAA
V.narbonensis	-----	-----	-ATGTCTGCT	TTATTGGTTC	ATGTTCCAAA
Lens culinaris	-----	-----	-ATGTCTGCT	TTCTTGGTTC	ATGTTCCAAA
L.orientalis	-----	-----	-ATGTCTGCT	TTCTTGGTTC	AAGTTCCAAA
V.ervilia	-----	-----	-ATGTCTGCT	TTATTGGTTC	CTGTTCCAAA
Galega officinalis	-----	-----	-ATGTCGACT	TTATTGGTGA	ATGTTCCCTAA
Lathyrus palustris_K	-----CTAG	TGTGGCTTTT	TTTATATTAT	TTGATAGAAA	GAACTTTTTCG
L.palustris_H	-----CTAG	TGTGGCTTTT	TTTATATTAT	TTGATAGAAA	GAACATTTCG
L.davidii	-----CTAG	TGTGGCTTTT	TTTCTATTTT	TTGATGGAAA	AGACATTTCG
L.japonicus	-----CTAG	TGTGGCTTTT	TGTATATTAT	TTGATAGAAA	CAACTTTTTCG
L.ochroleucus	-----CTAG	TGTGGCTTTT	TTTCTATTAT	TTGATAGAAC	GGACTGTTTCG
L.littoralis	-----CTAG	TGTGGCTTTT	TTTATATTAT	TTGATCGAAA	GAACCATTCG
L.venosus	-----CTGG	TGTGGCTTTT	TTTATATTAT	TTGATAGAAA	GAACATTTCG
L.graminifolius	-----CTGG	TGTGGCTTTT	TCTATATTAT	TTGATAGAAA	GAACTTTTTCG
L.pubescens	ATCCCCCTTG	GATTGCTTCT	TTTCTTGAAT	AGTGTAGGAA	AATCCATTTG
L.sativus_KJ	TTTTATTTCC	TTAGAACAAT	TTTGGATTAT	TTACTTCAAA	TGATCCGTGA
L.sativus_HM	TTTTATTTCC	TTAGAACAAT	TTTGGATTAT	TTACTTCAAA	TGATCCGTGA
L.pseudocicera	TTTTATTTTCG	TTAGAACAAT	TTTTAATTAT	TTACTTCAAA	TCGTCCATGA
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	AGTCAATTTT	ATAAGCGTGT	TGTACCCTAT	TTATTTCAAA	CCGGCATTAA
L.latifolius	ATTCAATTTG	GAAGGCGTGT	TGTATCCTAT	TTATTTCAAA	CCGGCATTAA
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	-----	-----	-----	-----	-----
Pisum sativum_K	-----	-----	-----	-----	-----
Pisum sativum_HG	-----	-----	-----	-----	-----
Pisum fulvum	-----	-----	-----	-----	-----
Vavilovia formosa	-----	-----	-----	-----	-----
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	ATATGGATAT	AAATGTGCCG	GTTATAAAGG	TGAATATACT	ATTAGGAGCT

Trifolium strictum	ATTAATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
T. glanduliferum	ATTCATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
T. boissieri	ATTCATTAGT	GGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
T. aureum	ATTCATTAGT	GGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
T. meduseum	ATTCATTAGT	TGGGAAGCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
T. subterraneum	ATTCATTAGT	TGGGAAGCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
T. pratense	ATTAATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
T. hybridum	ATTCATTAGT	TGGGGATCAA	AAAAACATGG	TTGTC-----	----GTTTCAC
T. semipilosum	ATTCATTAGT	TGGGGATCAA	AAAAACATGG	TTGTC-----	----GTTTCAC
T. occidentale	ATTCATTAGT	TGGGGATCGA	AAAAACAGGG	TTGTC-----	----GTTTCAC
T. repens	ATTCATTAGT	TGGAGATCGA	AAAAACAGGG	TTGTC-----	----GTTTCAC
T. lupinaster	ATTCATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
Cicer oxyodon	ATTCATT---	TTGGGGTCAG	AAAAATATGT	TTGTC-----	----GTTTCAC
C. chorrassanicum	ATTCATT---	TTGGGGTCAG	AAAAATATGT	TTGTC-----	----GTTTCAC
C. arietinum	ATTCATT---	TTGGGGTCAG	AAAAATATGT	TTGTC-----	----GCTCAC
Medicago truncatula_KF	ATTAATTAGT	TGGGGATCAG	AAAAATATGG	TTGTC-----	----GTTTCAC
M. truncatula_AC	ATTTATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
M. sativa_K	ATTCATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
M. sativa	ATTCATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
M. papillosa	ATTCATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
M. hybrida	ATTCATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
M. falcata	ATTCATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
M. sativa_KU	ATTCATTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
Melilotus albus	ATTCGTTAGT	TGGGGATCAG	AAAAACATGG	TTGTC-----	----GTTTCAC
Hedysarum formosum	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
H. varium	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
H. singarense	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
H. minjanense	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
Tavniera glabra	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
T. diffusa	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
Greuteria membranacea	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
Corethroedendron scoparium	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
Eversmannia subspinosa	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
Onobrychis bungei	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
O. cornuta	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
O. michauxii	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
O. subacaulis	-----	-----	--ATGCGTAG	CTTCCAA---	---GGACAAG
O. teheranica	-----	-----	--ATGCGTAG	CTTCCAA---	---GAACAAG
Alhagi maurorum	-----	-----	--ATGCGTCC	CTTCCAA---	---GAACAAG
Caragana microphylla	-----	-----	--ATGCGTCC	CTACCAA---	---GAACAAG
C. korshinski	-----	-----	--ATGCGTCC	CTACCAA---	---GAACAAG
C. kozlowii	-----	-----	--ATGCGTCC	CTACCAA---	---GAACAAG
C. rosea	-----	-----	--ATGCGTCC	CTACCAA---	---GAACAAG
Tibetia liangshanensis	-----	-----	--ATGCGTCC	CTTC-----	-----CAAG
Gueldenstaedtia verna	-----	-----	--ATGCGTCC	CTTC-----	-----CAAA
Halimodendron halodendron	-----	-----	--ATGTCTCG	ATTCCAA---	---GATCTCA
Smirnowia turkestanica	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Eremosparton flaccidum	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Colutea persica	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
C. triphylla	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Sphaerophylla salsula	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Podlechiella vogelii	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Carmichaelia australis	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Sutherlandia frutescens	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Astragalus membranaceus	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
A. mongholicus	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
A. nakaianus	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
A. macropelmatus	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
A. iranicus	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
A. denudatus	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
A. odoratus	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Oxytropis szovitsii	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
O. iranica	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
O. kotschyana	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Erophaca baetica	-----	-----	--ATGCGTCC	CTTC-----	-----GCAG
Wisteria floribunda	---ATGATTG	GGGAGTCAAA	ACATGCTTGG	CGCT-----	-----CAG
W. sinensis	---ATGATTG	GGGAGTCAAA	ACATGCTTGG	CGCT-----	-----CAG
Glycyrrhiza lepidota	---ATGACTT	GGGAGTCAGA	ACATGTTTGG	CGCT-----	-----CAG
G. uralensis	---ATGACTT	GGGAGTCAGA	ACATGTTTGG	CGCT-----	-----CAG
G. glabra	---ATGACTT	GGGAGTCAGA	ACATGTTTGG	CGCT-----	-----CAG
Meristotropis xathioides	---ATGACTT	GGGAGTCAGA	ACATGTTTGG	CGCT-----	-----CAG
Robinia pseudoacacia	---ATGTTTT	GGATCTCAAA	AGATACATGC	CACA-----	-----CAG
Lotus japonicus	---ATGACTT	GGATATCAGA	AGATACGTGG	CAGT-----	-----CAG
Vicia alpestris	ATTCATTAGT	TGGGGGTCAG	AAAAACATAG	TTGTC-----	----GTTTCAC
V. sativa	ATTCAGTAGT	TGGGGGTCAG	AAAAACTTGG	TTGTC-----	----GTTTCAC
V. peregrina	ATTCAGTAGT	TGGGGGTCAG	AAAAACTTGG	TTGTC-----	----GTTTCAC
V. sepium	ATTCAGTAGT	TGGGGGTCAG	AAAAACTTGG	TTGTC-----	----GTTTCAC
V. faba	ATTCATTAGT	TGGGGGTCAG	AAAAACTTGG	TTGTC-----	----GTTTCAC

V.canescens	ATTCATTAGT	TGGGGGTCAG	AAAAACATGG	TTGTC-----	-----GTTTCC
V.monantha	ATTCATTAGT	TGGGGGTCAG	AAAAACATGG	TTGTC-----	-----GTTTCC
V.tetrasperma	ATTCATTAGT	TGGGGGTCAG	AAAAACATGG	TTGTC-----	-----GTTTCC
V.narbonensis	ATTCATTAGT	TGGGGGTCAG	AAAAACATGG	TTGTC-----	-----GTTTCC
Lens culinaris	ATT-----	--GGGGTCAG	AAAAACAAGG	TTGTC-----	-----GTTTCC
L.orientalis	ATT-----	--GGGGTCAG	AAAAACAAGG	TTTTT-----	-----GTTTCC
V.ervilia	ATTCATTAGT	TGGGGGTCAG	AAAAACATAG	TTGTC-----	-----GTTTCC
Galega officinalis	ATTCATTAGT	TGGGGGTCAG	AAAAACACGG	TTGTC-----	-----GTTTCC
Lathyrus palustris_K	-----CAAG	AGGAGGGCAA	AAAAACACGG	TTTTTGTTC	TATCTCTCAA
L.palustris_H	-----GAAT	AGGAGGGCAA	AAAAACACGG	TTTTTGTTC	TATCTCTCAA
L.davidii	-----CAAT	AGGCGTGCAA	AAAAACACGG	TTTTTGTTC	TATTTATCAA
L.japonicus	-----CAAG	AGGAGGGCAA	AAAAACACGG	TTTTTGTTC	TATCTGTCAA
L.ochroleucus	-----TAAG	AGGAGGGCAA	AAAAACACGG	TTTTTGTTC	TATAGGTCAA
L.littoralis	-----CAAG	AGGAGGGAAA	AAAAACACGG	TTTTTGTTC	TATCTATCAA
L.venosus	-----CAAG	CGGAGGGCAA	AAAAACACGG	TTTTTGTTC	CACATGTCAA
L.graminifolius	-----GAAG	AGGAGGGCAA	AAAAACACGG	TTTTTGTTC	TCTCTATCAA
L.pubescens	-----CAAC	GGATGGGCAA	AAAAACGGGG	TCTTCGGTTC	TATATTTTCC
L.sativus_KJ	ATTCATTAAG	GACGAGACAA	ACAAAAAAGT	TTTATGTTC	TATGTGTCC
L.sativus_HM	ATTCATTAAG	GACGAGACAA	ACAAAAAAGT	TTTATGTTC	TATGTGTCC
L.pseudocicera	ATGCATTAAC	GACGAGACAA	AGAAAAAAGT	TTTGTGTTC	TATGTCC
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhusus	CATAATTCGC	TGGGTGACAC	GCAAAGAAGT	GCTGGATTAT	TACGTCC
L.latifolius	CGTAATTCGC	TGGGTGACAC	GCAAAGAAGT	GCTGGATTAT	TACGTCC
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	---TAATATA	TAATATATAT	AGTAGTCCAA	TTTTTGTACG	ATGGGACTGT
Pisum sativum_K	---TAATATA	TAATATATAT	AGTAGTCCAA	TTTTTGTACG	ATGGGACTGT
Pisum sativum_HG	---TATATA	TAATATATAT	AGTAGTCCAA	TTTTTGTACG	ATGGGACTGT
Pisum fulvum	---TAATATA	TAATATATAT	AGTAGTCCAA	TTTTTGTACG	ATGGGACTGT
Vavilovia formosa	-----	---TATATAT	AGTAGTCAGA	TTTTTGTCCG	ATGGAACAT
L.clymenum	-----A	TGGTGATTTT	TGCAGTCCTT	TCTTTATGGA	TTTGTGTTGA
L.ochrus	TTGAAAAATA	TGGTGGGTTT	TGCAGTCCTT	TCTTTATGGA	TTTGTGTTGA

<i>Trifolium strictum</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAAAC	AATCAATTTT
<i>T. glanduliferum</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAAAC	AATCAATTTT
<i>T. boissieri</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAAAC	AATCAATTTT
<i>T. aureum</i>	AAGACGCATG	GCTTGACATT	GTACCGGGAT	CCCAAAAAC	AATCAATTTT
<i>T. meduseum</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCAAAAAAC	AATCAATTTT
<i>T. subterraneum</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCAAAAAAC	AATCAATTTT
<i>T. pratense</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCAAAAAAC	AATCAATTTT
<i>T. hybridum</i>	AAGACGCGTG	GCTTGACATT	GTACCGGGGT	CCAAAAAAC	TATCAATTTT
<i>T. semipilosum</i>	AAGACGCGTG	GCTTGACATT	GTACCGGGGT	CCAAAAAAC	TATCAATTTT
<i>T. occidentale</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCAAAAAAC	AATCAATTTT
<i>T. repens</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCAAAAAAC	AATCAATTTT
<i>T. lupinaster</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCAAAAAAC	AATCAATTTT
<i>Cicer oxyodon</i>	AAGACGCATG	GCTTGACATT	GTAACGGGGT	CCCAAAACC	AATCAATTTT
<i>C. chorrassanicum</i>	AAGACGCATG	GCTTGACATT	GTAACGGGGT	CCCAAAACC	AATCAATTTT
<i>C. arietinum</i>	AAGACGCATG	GCTTGACATT	GTAACAGGGT	CCCAAAACC	GATCAATTTT
<i>Medicago truncatula_KF</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAACC	AATCAATTTT
<i>M. truncatula_AC</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAACC	AATCAATTTT
<i>M. sativa_K</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAACC	AATCAATTTT
<i>M. sativa</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAACC	AATCAATTTT
<i>M. papillosa</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAACC	AATCAATTTT
<i>M. hybrida</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAACC	AATCAATTTT
<i>M. falcata</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAACC	AATCAATTTT
<i>M. sativa_KU</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAACC	AATCAATTTT
<i>Melilotus albus</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAACC	AATCAATTTT
<i>Hedysarum formosum</i>	AACACACATG	GATTTATACT	ATACCGGGG	CACGAAAACC	AATTAATTTT
<i>H. varium</i>	AACACACATG	GATTTATACT	ATACCGGGG	CACGAAAACC	AATCAATTTT
<i>H. singarense</i>	AACACAGATG	GATTTATACT	ATACCGGGG	CACGAAAACC	GACCAATTTT
<i>H. minjanense</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>Tavrneria glabra</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>T. diffusa</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>Greuteria membranacea</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>Corethroedendron scoparium</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>Eversmannia subspinosa</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>Onobrychis bungei</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>O. cornuta</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>O. michauxii</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>O. subacaulis</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>O. teheranica</i>	AACACACATG	GATTTACACT	ATACCGGGG	CCCAAAACC	AATCAATTTT
<i>Alhagi maurorum</i>	AACACACATG	GATCTACACT	ATACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Caragana microphylla</i>	AACACACATG	GATCTACACT	ATACCAGGGG	CCCAAAACC	AATCAATTTT
<i>C. korshinski</i>	AACACACATG	GATCTACACT	ATACCAGGGG	CCCAAAACC	AATCAATTTT
<i>C. kozlowii</i>	AACACACATG	GATCTACACT	ATACCAGGGG	CCCAAAACC	AATCAATTTT
<i>C. rosea</i>	AACACACATG	GATCTACACT	ATACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Tibetia liangshanensis</i>	AAGACGCATG	GCTCTACACT	ATACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Gueldenstaedtia verna</i>	AAAACCCAGG	GCTCTACACT	ATACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Halimodendron halodendron</i>	AACCTCCCAC	CTTTTAAGTT	AACCCGGGG	CCCAAAACC	CAA - AACTTC
<i>Smirnowia turkestanica</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Eremosparton flaccidum</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Colutea persica</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>C. triphylla</i>	AAGACGCATG	GCTCTACACT	GGACCAGGGG	CCCAAAACC	AATTTATTTT
<i>Sphaerophylla salsula</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Podlechiya vogelii</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Carmichaelia australis</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Sutherlandia frutescens</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Astragalus membranaceus</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CTCGAAAACC	AATCAATTTT
<i>A. mongholicus</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CTCGAAAACC	AATCAATTTT
<i>A. nakaianus</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CTCGAAAACC	AATCAATTTT
<i>A. macropelmatus</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATAAATTTT
<i>A. iranicus</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>A. denudatus</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>A. odoratus</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Oxytropis szovitsii</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>O. iranica</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>O. kotschyana</i>	AAGACGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	AATCAATTTT
<i>Erophaca baetica</i>	AAGATGCATG	GCTCTACACT	GTACCAGGGG	CCCAAAACC	TATCAATTTT
<i>Wisteria floribunda</i>	AAGACGGATG	GATCGACTTT	GTAAGGGGGT	GTCGAAAACC	AAGCGATTTT
<i>W. sinensis</i>	AAGACGGATG	GATCGACTTT	GTAAGGGGGT	GTCGAAAACC	AAGCGATTTT
<i>Glycyrrhiza lepidota</i>	AAGACGCATG	GATCGACATT	GTAACGGGGT	CTCGAAAACC	AAGCGATTTT
<i>G. uralensis</i>	AAGACGCATG	GATCGACATT	GTAACGGGGT	CTCGAAAACC	AAGCGATTTT
<i>G. glabra</i>	AAGACGCATG	GATCGACATT	GTAACGGGGT	CTCGAAAACC	AAGCGATTTT
<i>Meristotropis xathioides</i>	AAGACGCATG	GATCGACATT	GTAACGGGGT	CTCGAAAACC	AAGCGATTTT
<i>Robinia pseudoacacia</i>	AAGAAATACG	GGTAGATTTT	GTAACAGGGT	GTCGAAAACC	GATTTGATTTT
<i>Lotus japonicus</i>	AAGAAGTACG	AGTAGATTTT	GTAACGGGGT	GTCGAAAACC	CCGTGATTTT
<i>Vicia alpestris</i>	AAGACCCATC	GCTTGACATT	GTCCAGGGGT	CCCAAAAAT	TATCTATTTT
<i>V. sativa</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCTAAAAAT	TATCAATTTT
<i>V. peregrina</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCTAAAAAT	TATCAATTTT
<i>V. sepium</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCTAAAAAT	TATCAATTTT
<i>V. faba</i>	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCAAAAAT	TATCAATTTT

V.canescens	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCGAAAAAT	TATCAATTTTC
V.monantha	AAGACGCCTG	GCTTGACATT	GTACCGGGGT	CCCGAAAAAT	TATCAATTTTA
V.tetrasperma	AAGTAGCATG	GCTTGACATT	GTCCCGGGGT	CCCGAAAAAT	TATCAATTTTA
V.narbonensis	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCGAAAAAT	TATCAATTTT
Lens culinaris	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCAAAAAAAT	TATCAATTTTC
L.orientalis	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCAAAAAAAT	TATCAATTTT
V.ervilia	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCGAAAAAC	TATCAATTTTC
Galega officinalis	AAGACGCATG	GCTTGACATT	GTACCGGGGT	CCCGAAAAATC	AATCAATATC
Lathyrus palustris_K	ACGACATCTG	GCTCGATACT	ATACCTGGAT	CCAGAAATGG	TACGATTTTT
L.palustris_H	ACGACATTTG	GGTGGATAGT	ATACCAGGAT	CCAGAAATGG	GACGATTCTT
L.davidii	ACGACATATG	GGTAGATGAT	ATCCCTGGGT	CCAGAAATGG	TACCATTTTT
L.japonicus	AGGACATCTG	GATTGATACG	ATCCCTGGGT	CCAGAAATGG	GACGATTCTT
L.ochroleucus	ACAGCATATG	GGTAGACACT	ATACCTGGGT	CCAGAAATGG	CACGATTCTT
L.littoralis	AGGACATCTG	GTTTGATACT	ATCCCTGGGT	CCAGAAATGG	TACGATTTTTG
L.venosus	AAAACGTATG	GATCGATACT	ATACCTGGAT	CGAGAAATGC	TACGATTCTT
L.graminifolius	AGGACATCTG	GATCGATATT	ATCCCCGGAT	CCAGAAATGG	TACGATTCTT
L.pubescens	AAGATATATG	GATTGACACG	ATACCTGGGT	CTCGAAATGG	TAACATTTT
L.sativus_KJ	AAACTACTTG	GATGGACACT	ATCCCGGGTT	TCCAACACGT	TTTTTTTCGA
L.sativus_HM	AAACTACTTG	GATGGACACT	ATCCCGGGTT	TCCAACACGT	TTTTTTTCGA
L.pseudocicera	AAAATACTTG	GATGGACACT	ATCCCGGGTT	TCCAACATGT	GACTTTTAGA
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	AAGACATTTG	GATTGACACT	ATCCCGGGTT	TCCGAAATGT	TTGGTTTCTC
L.latifolius	AAGACATTTG	GATTGACACT	ATCCCGGGTT	TCCGAAATGT	TTGGTTTCTC
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	AGAGGGTATT	ATAGTAACTG	TTTTATCGCT	TGTTTTTGCT	AGAAAATTAA
Pisum sativum_K	AGAGGGTATT	ATAGTAACTG	TTTTATCGCT	TGTTTTTGCT	AGAAAATTAA
Pisum sativum_HG	AGAGGGTATT	ATAGTAACTG	TTTTATCGCT	TGTTTTTGCT	AGAAAATTAA
Pisum fulvum	AGAGGGTATT	ATAGTAACTG	TTTTATCGCT	TGTTTTTGCT	AGAAAATTAA
Vavilovia formosa	AACGTGTATT	ATAGTCACTG	GTTTATGGCT	CGTTTTTCCT	ACAAAATTAA
L.clymenum	AAAAGTCATT	C--GTCGCTT	GTCAAAAAAC	CGAGGTTTTTC	GTTTCATATCT
L.ochrus	AAAAGTCATT	C--GTCGCTT	GTCAAAAAAC	CGAGGTTTTTC	GTTTCATATCT

<i>Trifolium strictum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>T. glanduliferum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>T. boissieri</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>T. aureum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>T. meduseum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>T. subterraneum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>T. pratense</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>T. hybridum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTCT	TATATATTTT
<i>T. semipilosum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTCT	TATATATTTT
<i>T. occidentale</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>T. repens</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>T. lupinaster</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>Cicer oxyodon</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGAGTGT	TATATATTTT
<i>C. chorrassanicum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>C. arietinum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGAGTGT	TATATATTTT
<i>Medicago truncatula_KF</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATCTTTT
<i>M. truncatula_AC</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATCTTTT
<i>M. sativa_K</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>M. sativa</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>M. papillosa</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>M. hybrida</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>M. falcata</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>M. sativa_KU</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATATATTTT
<i>Melilotus albus</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTAT	TATATATTTT
<i>Hedysarum formosum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>H. varium</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>H. singarense</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>H. minjanense</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>Tavrneria glabra</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>T. diffusa</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>Greuteria membranacea</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>Corethroedendron scoparium</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>Eversmannia subspinosa</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>Onobrychis bungei</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	ATTTTATTTT
<i>O. cornuta</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>O. michauxii</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>O. subacaulis</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>O. teheranica</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>Alhagi maurorum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATTTATTTT
<i>Caragana microphylla</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATTTATTTT
<i>C. korshinski</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATTTATTTT
<i>C. kozlowii</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATTTATTTT
<i>C. rosea</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>Tibetia liangshanensis</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATTTATTGC
<i>Gueldenstaedtia verna</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTGT	TATTTATTGC
<i>Halimodendron halodendron</i>	TTCTAGGCCT	CTTCCGTTTT	ATT-GTTACG	GAGGGGGGGG	CAATTTGTTA-
<i>Smirnowia turkestanica</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>Eremosparton flaccidum</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>Colutea persica</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>C. triphylla</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATCTC
<i>Sphaerophylla salsula</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>Podlechiella vogelii</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>Carmichaelia australis</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>Sutherlandia frutescens</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGAGTTT	TAGTTATTTT
<i>Astragalus membranaceus</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>A. mongholicus</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>A. nakaianus</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>A. macropelmatus</i>	TTCTGGGCTT	CTTTCACCCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>A. iranicus</i>	TTTTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>A. denudatus</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCT	TTAGGGGTTT	TAGTAATTTT
<i>A. odoratus</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>Oxytropis szovitsii</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTGTTTT
<i>O. iranica</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTGTTTT
<i>O. kotschyana</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TAGTTATTTT
<i>Erophaca baetica</i>	TTCTGGGCTT	CTTTCACCCT	TTTAGGTTCA	TTAGGGGTTT	TATTTATTTT
<i>Wisteria floribunda</i>	TTCTGGGCTT	CTTTCATTCT	TTTAGGTTCA	TTAGGGGTGT	TATTTGATTTT
<i>W. sinensis</i>	TTCTGGGCTT	CTTTCATTCT	TTTAGGTTCA	TTAGGGGTGT	TATTTGATTTT
<i>Glycyrrhiza lepidota</i>	TTCTGGGCTT	CTTTCATTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTGATTTT
<i>G. uralensis</i>	TTCTGGGCTT	CTTTCATTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTGATTTT
<i>G. glabra</i>	TTCTGGGCTT	CTTTCATTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTGATTTT
<i>Meristotropis xathioides</i>	TTCTGGGCTT	CTTTCATTCT	TTTAGGTTCA	TTAGGGGTTT	TATTTGATTTT
<i>Robinia pseudoacacia</i>	TTCTCGGCCT	CTATCAGTCT	TTTTGGTTCA	TTAGGGGGTT	TATTTGGTTGC
<i>Lotus japonicus</i>	TTCTGGGCAT	TTATCACTCT	TTTAGGTTCA	GTAGGGTTTT	TATTTGGTTGC
<i>Vicia alpestris</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCC	TTAGGGGGTG	TATATTTTTT
<i>V. sativa</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATATATTTT
<i>V. peregrina</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATATATTTT
<i>V. sepium</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATATATTTT
<i>V. faba</i>	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGAGTTT	TATATATTTT

V.canescens	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTGGGGGTTT	TATCTATTTT
V.monantha	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATATATTTT
V.tetrasperma	CTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATATACTTC
V.narbonensis	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATATATTTT
Lens culinaris	TTCTGGGCTT	CTTTCACTCT	TTTAGGGTCA	TTAGGGGTTT	TATATATTTT
L.orientalis	TTTTGGGCTT	CTTTCACTCT	TTTAGGGTCA	TTAGGGGTTT	TATATATTTT
V.ervilia	TTCTGGGCTT	CTTTCACTCT	TTTAGGTTCA	TTAGGGGTTT	TATATATTTT
Galega officinalis	TTCTGGGCTT	CTTTCATTCT	TTTAGGTTCA	TTAGGGGTAT	TATATATTTT
Lathyrus palustris_K	TTGTTTTCGT	ACTTTAATTT	CTCTCAAACA	ATCGAAGGAG	TATGCCGTTT
L.palustris_H	TTATTTTTCGT	ACTTTAATTT	CTATCAAACA	ATCGAAGGAG	TATGTCGTTT
L.davidii	TTATTTTTCGT	ACTTTAATTT	CCTTCAAACG	ATAGAAGGAA	TATGCCGTTT
L.japonicus	TTATTTTTCTT	ACTTTAATTT	CTATCAAACA	ATTGAAGGAA	TATGCCGTTT
L.ochroleucus	TTGTTTTCGT	ACTTACATTT	CTATCAAACA	ATCGAAGGAA	TATCCCCTTT
L.littoralis	TTATTTTTCTT	ACTTTAATTT	CTATCAAACA	ATTGAAGGAA	TATGCCGTTT
L.venosus	TTATTTTTCTT	ACTTCAATTT	CTCTCAAACA	ATCGAAGGAG	TATCCCCTTT
L.graminifolius	TTATTTTTCTT	ATTTAAATTT	CTCGCTAACA	CTAGAGGGAG	TATCCCCTTT
L.pubescens	TTATTTGCCG	TTTTTCGGTTT	CTATAAGTTC	ATCGAGTTAG	GATACCAGGG
L.sativus_KJ	ATTTTAAGTC	ATGTCAGTTT	TTTCGTGGGA	TTCTTTTCTC	TCTATCGTTT
L.sativus_HM	ATTTTAAGTC	ATGTCAGTTT	TTTCGTGGGA	TTCTTTTCTC	TCTATCGTTT
L.pseudocicera	ATCTTGAGTC	ATGTGAGTTT	TTTCATGGGA	TTCTTTGCTC	TCTATCGTTT
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	GTGTGTTCTT	ATCTCAATTT	TTATTTTCGGG	TTAGATTCTC	TATCTCGTTT
L.latifolius	TTGTGTTCTT	ATCTCAATTT	TTCTTTAGGG	TTGATTCTC	TATATCGTTT
L.tingitanus	-----	-----	-----	-----	-----
Pisum sativum_H	TTTGTGGGC	AGAAGGTCTT	CCTGCATATC	GTTTAGAAGA	CTCATGGATT
Pisum sativum_K	TTTGTGGGC	AGAAGGTCTT	CCTGCATATC	GTTTAGAAGA	CTCATGGATT
Pisum sativum_HG	TTTGTAGGC	AGAAGGTCTT	CCTGCATATC	GTTTAGAAGA	CTCATGGATT
Pisum fulvum	TTTGTGGGC	AGAAGGTCTT	CCTGCATATC	GTTTAGAAGA	CTCATGGATT
Vavilovia formosa	TT-----	-----	-----	-----	-----
L.clymenum	TTCAGAAAAC	GTATGGATTG	ACAGTATACC	GGGGTCCCGA	AACAGTACCA
L.ochrus	TTCAGAAAAC	GCATGGATTG	ACAGAATACC	GGGGTCCCGA	AACAGTACCA

<i>Trifolium strictum</i>	CGTTTCCAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>T. glanduliferum</i>	CGTTTCCAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCATCCGA--
<i>T. boissieri</i>	CGTTTCCAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>T. aureum</i>	CGTTTCCAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGATT
<i>T.meduseum</i>	CGTTTCCAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>T.subterraneum</i>	CGTTTCCAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>T.pratense</i>	CGTTTCCAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>T.hybridum</i>	CGTTTCCAGT	TACTACGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>T.semipilosum</i>	CGTTTCCAGT	TACTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>T.occidentale</i>	CGTTTCCAGT	TACTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>T.repens</i>	CGTTTCCAGT	TACTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>T.lupinaster</i>	CGTTTCCAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>Cicer oxyodon</i>	AGTTTCTAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>C. chorrassanicum</i>	AGTTTCTAGT	TATTATGGTA	GGCATTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>C. arietinum</i>	AGTTTCTAGT	TATTATGGTA	GGCAGTFFFFFF	CTCTTTTCATT	TCGTCCGAAT
<i>Medicago truncatula_KF</i>	AGTTTCCAGT	TATTATGGTA	GACATTTTTTT	CTCTTTGATT	TCATCTGAAT
<i>M.truncatula_AC</i>	AGTTTCCAGT	TATTATGGTA	GACATTTTTTT	CTCTTTGATT	TCATCTGAAT
<i>M.satava_K</i>	AGTTTCCAGT	TATTATGGTA	GACATTTTTTT	CTCTTTGATT	TCATCTGAAT
<i>M.satava</i>	AGTTTCCAGT	TATTATGGTA	GACATTTTTTT	CTCTTTGATT	TCATCTGAAT
<i>M.papillosa</i>	AGTTTCCAGT	TATTATGGTA	GACATTTTTTT	CTCTTTGATT	TCATCTGAAT
<i>M.hybrida</i>	AGTTTCCAGT	TATTATGGTA	GACATTTTTTT	CTCTTTGATT	TCATCTGAAT
<i>M.falcata</i>	AGTTTCCAGT	TATTATGGTA	GACATTTTTTT	CTCTTTGATT	TCATCTGAAT
<i>M.satava_KU</i>	AGTTTCCAGT	TATTATGGTA	GACATTTTTTT	CTCTTTGATT	TCATCTGAAT
<i>Melilotus albus</i>	CGTTTCCAGT	TATTATGGTA	GACATTTTTTT	CTCTTTTCATT	TCATCCGAAT
<i>Hedysarum formosum</i>	AGCTTCCAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>H.varium</i>	AGCTTCCAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>H.singarense</i>	AGCTACCAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	CCGTCCGAAT
<i>H.minjanense</i>	AGCTTCCAGT	TATTATGGTA	GTCATTTTTTT	C-----AAT	TCGTCCGAAT
<i>Tavrneria glabra</i>	AGCTTCCAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>T.diffusa</i>	AGCTTCCAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>Greuteria membranacea</i>	AGCTTCTAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>Corethroedendron scoparium</i>	AGCTTCTAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>Eversmannia subspinosa</i>	AGCTTCTAGT	TATTATGGTA	ATAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>Onobrychis bungei</i>	AGCTTCCAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>O.cornuta</i>	AGCTTCCAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>O.michauxii</i>	AGCTTCCAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCTGAAT
<i>O.subacaulis</i>	AGCTTCCAGT	TATTATGGTA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>O.teheranica</i>	AGCTTCCAGT	TATTATGGAA	GTAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>Alhagi maurorum</i>	AGCTTCTAGT	TATTATGGTA	GCAATTTTTTT	C-----AAT	TCGTCCGAAT
<i>Caragana microphylla</i>	AGCTTCCAGT	TTTTATGGTA	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>C.korshinski</i>	AGCTTCCAGT	TTTTATGGTA	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>C.kozlowii</i>	AGCTTCCAGT	TTTTATGGTA	GGAATTTTTTT	CTCTTTCAAT	TCGGACGAAT
<i>C.rosea</i>	AGCTTCCAGT	TTTTATGGTA	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>Tibetia liangshanensis</i>	AGCTTCCAGT	TATTTTGGTA	GGAATTTTTTT	CTCTTTTAAAT	TCGTCCGACT
<i>Gueldenstaedtia verna</i>	AGCTTCCAGT	TATTTTGGTA	GGAATTTTTTT	CTCTTTGAAAT	TCGTCCGACT
<i>Halimodendron halodendron</i>	GGGTCCAGT	CTTTATGGAA	GAAATATTTTA	T--CTTCTAT	TGTTTGGAAAT
<i>Smirnowia turkestanica</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGGACGAAT
<i>Eremosparton flaccidum</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGGACGAAT
<i>Colutea persica</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGGACGAAT
<i>C. triphylla</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGGACGAAT
<i>Sphaerophylla salsula</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGGACGAAT
<i>Podlechiella vogelii</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	ATCTTTCAAT	TCAGACGAAT
<i>Carmichaelia australis</i>	CGCTTCCAGT	TATTTTGGTC	GGAATTTTTTT	CTCTTTTAAAT	TCGGACGAAT
<i>Sutherlandia frutescens</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGGGCGAAT
<i>Astragalus membranaceus</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>A.mongholicus</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>A.nakaianus</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>A.macropelmatus</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>A.iranicus</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>A.denudatus</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>A.odoratus</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>Oxytropis szovitsii</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>O.iranica</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>O.kotschyana</i>	AGCTTCCAGT	TATTATGGTC	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>Erophaca baetica</i>	AGCTTCCAGT	TATTATGGTT	GGAATTTTTTT	CTCTTTCAAT	TCGTCCGAAT
<i>Wisteria floribunda</i>	AGCTTCCAGT	TTTTATGGTA	GGCATTFFFFFF	ATCTTTTCATT	TCGTCTGAGT
<i>W. sinensis</i>	AGCTTCCAGT	TTTTATGGTA	GGCATTFFFFFF	ATCTTTTCATT	TCGTCTGAGT
<i>Glycyrrhiza lepidota</i>	AGCTTCCAGT	TATTATGGCA	GGAATTTTGTT	ATCTTTTCATT	TCGTCCGGAGT
<i>G.uralensis</i>	AGCTTCCAGT	TATTATGGCA	GGAATTTTGTT	ATCTTTTCATT	TCGTCCGGAGT
<i>G.glabra</i>	AGCTTCCAGT	TATTATGGCA	GGAATTTTGTT	ATCTTTTCATT	TCGTCCGGAGT
<i>Meristotropis xathioides</i>	AGCTTCCAGT	TATTATGGCA	GGAATTTTGTT	ATCTTTTCATT	TCGTCCGGAGT
<i>Robinia pseudoacacia</i>	AGCTTCCAGT	TATGATGGAA	TGAATTTACTT	ATATTTTCATT	TCGTATGAGT
<i>Lotus japonicus</i>	AGCTTCCAGT	TATCTTCATA	AGAATTTTTTT	ATCTTTTCATT	TCGTCTGAGT
<i>Vicia alpestris</i>	TGTTTCCCGT	TATTATCGGG	GGGCTTTTTTC	CCTCTTTCATT	TCGTCCGAAT
<i>V.satava</i>	AGTTTCCAGT	TATTATGGGG	GGGATTTTTTT	CTCTTTTCATT	TCGTCCGAAT
<i>V.peregrina</i>	AGTTTCCAGT	TATTATGGGG	GGGATTTTTTT	TTCTTTTCATT	TCGTCCGAAT
<i>V.sepium</i>	AGTTTCCAGT	TATTATGGGG	GGGATTTTTTT	CTCTTTTCATT	TCGTCCGAAT
<i>V. faba</i>	AGTTTCCAGT	TATTATGGGA	GGGATTTTTTT	CTCTTTTCATT	TCGTCCGAAT

V.canescens	AGTTTCCAGT	TATTATGGGA	GGGATTTTTTT	CCCTTTCATT	TCGTCCGAAT
V.monantha	AGTTTCCAGT	TATTATGGGA	GGTATTTTTTT	CCCTTTCATT	TCGTCCGAAT
V.tetrasperma	AGTTTCCAGA	TATTATGGGA	GGGATTTTATT	CTCTTTTGATT	TCGTCCGAAT
V.narbonensis	AGTTTCCAGT	TATTATGGGA	GGGATTTTTTT	CTCTTTCATT	TCGTCCGAAT
Lens culinaris	AGTTTCCAGT	TATTATGGGA	GGGATTTTTTT	CTCTTTCATT	TCGTCCGAAT
L.orientalis	AGTTTCCAGT	TATTATGGGA	GGGATTTTTTT	CTCTTTCCAT	TCGTCCGAAT
V.ervilia	TGTTTCCAGT	TATTATGGGA	GGGATTTTTTT	TTCTTTCATT	TCGTCCGAAT
Galega officinalis	AGTTTCCAGT	TATTATGGTA	GGTCTTTTTTT	CTCTTTCATT	TCGTCCGAAG
Lathyrus palustris_K	GTTTGGCGGG	TTGTACGACG	ACAGAATGTT	TTTCGATTTG	AGGGTCTCGG
L.palustris_H	GTTTGGCGGG	TTGTACGACG	ACAGAATGTT	TTTCGATTTG	AGGGTCTCGG
L.davidii	GTTTGGCGCA	CTCTACGACG	ACAGAATGTT	TCTGGATTTG	A-----CGG
L.japonicus	GTTTGGCGCG	TTATACGAGG	ACAGACTGTT	TCTCGATTTG	AGGGTCTCGG
L.ochroleucus	GTTTAGCGAA	ATATATTATG	ACAGGCTGTT	TCTCGATTTG	AGGGTCTCGG
L.littoralis	GTTTGGCGCG	CTGTACGAGG	ACAGAATGTT	TCTCGATTTG	AGGGTCTCGG
L.venosus	GTTTGGCGAA	TTATATTATG	ACAGGCTGTT	TCTCGATTTG	AAGGTCTCGG
L.graminifolius	GTGTCACGAG	TTGTTTTACG	ATTCCCTCTA	TCTCGATTTG	AGGGTCTCGG
L.pubescens	GTCTAAAAGA	ATCTCTGGAT	ATTTCTTGAT	CGCGTTCCCT	ATTACCCCTA
L.sativus_KJ	CTATAG---C	AATCTTACTC	GGATGAACAT	TTTCGATGCA	CCGATT-AAA
L.sativus_HM	CTATAG---C	AATCTTACTC	GGATGAACAT	TTTCGATGCA	CCGATT-AAA
L.pseudocicera	CTATAG---C	AATCTTACTC	GGATGAACAT	TTTTGATGCA	CCGATT-ACA
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	CTATATTTTC	AATAAGGTAA	GCACTGAATT	TTTCGAGTCC	CCGATT-GAC
L.latifolius	CTATATTTTC	AATAAGATAA	GCACTGAATT	TTTCGAGTCC	CCGATT-GAC
L.tingitanus	-----	-----	-----ATG	-----ATG	CCGACC-CGC
Pisum sativum_H	GCCTTTGTAG	CAGGGTCCCA	AAACAGTTTC	ACTATTTTGT	GTGGTTCCTT
Pisum sativum_K	GCCTTTGTAG	CAGGGTCCCA	AAACAGTTTC	ACTATTTTGT	GTGGTTCCTT
Pisum sativum_HG	GCCTTTGTAG	CAGGGTCCCA	AAACAGTTTC	ACTATTTTGT	GTGGTTCCTT
Pisum fulvum	GCCTTTGTAG	CAGGGTCCCA	AAACAGTTTC	ACTATTTTGT	GTGGTTCCTT
Vavilovia formosa	-----	-----	-----	-----	--GGTTTTTT
L.clymenum	ATATCTTCTT	TGGTTATTTT	CATCTTTTAC	AGTCATTATG	GCGCGTATAT
L.ochrus	ATATCTTCTT	TGGTTATTTT	CATCTTTTAC	AGTCATTATG	GCGCGTATAT

Trifolium strictum	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. glanduliferum	-TG-----	--TAATTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. boissieri	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. aureum	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. meduseum	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. subterraneum	TTG-----	--TAGTTCCT	TTTTTACCAC	AAGGGGTCAC	GCTTACTTTC
T. pratense	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. hybridum	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. semipilosum	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. occidentale	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. repens	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
T. lupinaster	TTG-----	--TAATTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTTACTTTC
Cicer oxyodon	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	ACTTACTTTC
C. chorrassanicum	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	ACTGACTTTC
C. arietinum	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	ACTGACTTTC
Medicago truncatula_KF	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	CCTGACTTTC
M. truncatula_AC	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	CCTGACTTTC
M. sativa_K	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	CCTGACTTTC
M. sativa	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	CCTGACTTTC
M. papillosa	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	CCTGACTTTC
M. hybrida	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	CCTGACTTTC
M. falcata	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	CCTGACTTTC
M. sativa_KU	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	CCTGACTTTC
Melilotus albus	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	CCTGACTTTC
Hedysarum formosum	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTGACTTTC
H. varium	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTGACTTTC
H. singarense	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTTACTTTC
H. minjanense	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	ACTGACTTTC
Tavniera glabra	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTAACTTTC
T. diffusa	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTAACTTTC
Greuteria membranacea	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AGGGGGCTAC	GCTGACTTTC
Corethroedendron scoparium	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AGGGGGCCAC	GCTGACTTTC
Eversmannia subspinosa	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AGGGGGCCAC	GCTGACTTTC
Onobrychis bungei	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AGGGGGCCAC	ACTGACTTTC
O. cornuta	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AGGGGGCCAC	GCTCACTTTC
O. michauxii	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AGGGGGCCAC	GCTGACTTTC
O. subacaulis	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AGGGGGCCAC	GCTAACTTTC
O. teheranica	CTG-----	--TAGTTCCT	TTTTTGGCCAC	AGGGGGCCAC	GCTGACTTTC
Alhagi maurorum	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTAACTTTC
Caragana microphylla	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTGACTTTC
C. korshinski	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTGACTTTC
C. kozlowii	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTGACTTTC
C. rosea	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTGACTTTC
Tibetia liangshanensis	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTTACTTTC
Gueldenstaedtia verna	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GCTTACTTTC
Halimodendron halodendron	AGC-----	--AAGGTCTA	TATTTACCTC	AGGGGC-AT	GCTT-CTTTC
Smirnowia turkestanica	TTA-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
Eremosparton flaccidum	TTA-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
Colutea persica	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
C. triphylla	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GGTGACTTTC
Sphaerophylla salsula	TTA-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
Podlechiya vogelii	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
Carmichaelia australis	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
Sutherlandia frutescens	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GGTGACTTTC
Astragalus membranaceus	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
A. mongholicus	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
A. nakaianus	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
A. macropelmatus	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
A. iranicus	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
A. denudatus	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
A. odoratus	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
Oxytropis szovitsii	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
O. iranica	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
O. kotschyana	TTC-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
Erophaca baetica	TTG-----	--TAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GCTGACTTTC
Wisteria floribunda	TTGAGCCTGA	GCTAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GATGACTATC
W. sinensis	TTGAGCCTGA	GCTAGTTCCT	TTTTTGGCCAC	AAGGGGTCAC	GATGACTATC
Glycyrrhiza lepidota	TTGAGCCTGA	GCTAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GATGACTTTC
G. uralensis	TTGAGCCTGA	GCTAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GATGACTTTC
G. glabra	TTGAGCCTGA	GCTAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GATGACTTTC
Meristotropis xathioides	TTGAGCCTGA	GCTAGTTCCT	TTTTTGGCCAC	AAGGGGCCAC	GATGACTTTC
Robinia pseudoacacia	TTGACCCCGG	GCTAATTTCT	TTTTTGGCCAC	AAGGGGCTAC	GATAATGGTC
Lotus japonicus	TTGATTCCGA	GCTAATTCGT	TTTTTGGCCAC	AAGGGGCTAC	GATAACTGTT
Vicia alpestris	CGC-----	--TCCTTCT	TTCTTCCCAC	AAGGGGTCAG	GGTGACTCGC
V. sativa	TTG-----	--TCATTCCT	TTTTTGGCCAC	AAGGAGTCAC	ACTGACTTTC
V. peregrina	TTG-----	--TCATTCCT	TTTTTGGCCAC	AAGGAGTCAC	ACTGACTTTC
V. sepium	TTG-----	--TCATTCCT	TTTTTGGCCAC	AAGGAGTCAC	GCTTACTTTC
V. faba	TTG-----	--TCATTCCT	TTTTTGGACAC	AAGGAGTCAC	GCTGACTTTC

V.canescens	TTG-----	--TCATTCCT	TTTTTTGCCAC	AAGGGGTCAC	GCTGACTTTC
V.monantha	TTG-----	--TCATTCCT	TTTTTTGCCAC	AAGGGGTCAC	GCTGACTTTC
V.tetrasperma	TTG-----	--TCATTCCT	TTTGTGCCAC	AAGGGGTCAC	GCTGACTTTC
V.narbonensis	TTG-----	--TCATTCCT	TTTTTTGCCAC	AAGGGGTCAC	GCTTACTTTC
Lens culinaris	TTT-----	--TCATTCCT	TTTTTTGCCAC	AAGGGGTCAC	GCTGACTTTC
L.orientalis	TTT-----	--TCATTCCT	TTTTTTGCCAC	AAGGGGTCAC	CGTGACTTTC
V.ervilia	CTC-----	--TCGTTTCT	TTTTTTGCCAC	AAGGGGTCAC	GCTCACTTTC
Galega officinalis	-----	--TAGTTCCT	TTTTTTGCCAC	AAGGGGTCAC	GCTAACTTTC
Lathyrus palustris_K	TCGTC-----	-CATCTCCTT	ACAACACGGA	AATATGTAAT	ATTAATTCTC
L.palustris_H	TCGTC-----	-CATCTCCTT	ACAACACGGA	AATATGTAAT	ATTAATTCTC
L.davidii	TAGGC-----	-CATATCCTT	AAAACACGGA	AATATCAGAT	ATTAATTCTC
L.japonicus	TCGTC-----	-CATATCCTT	ACAACACGGA	AATATGTAAT	ATTAGTTCTC
L.ochroleucus	TCGTC-----	-CATATCCTT	ACAACACGGA	AATATGTGAT	ATTCATTCTG
L.littoralis	TCGTC-----	-CATATCCTT	ACAACACGGA	AATATGTGAT	ATTAATTCTC
L.venosus	TCGTC-----	-CATATGCTT	ACAACACGGA	AATATGTGAT	ATTAATTCTC
L.graminifolius	TCGTC-----	-CATATCCTT	ACAACACGGA	AATATGTGAT	ATTTATTCTC
L.pubescens	TTATC-----	-CGTATCGAT	AACCCAGTAA	AATATATGAA	GCATGCTCCT
L.sativus_KJ	TGGCT-----	-CTTTGTGCT	ACCAAATAAG	ATTG---TTT	CTCTGCTTAT
L.sativus_HM	TGGCT-----	-CTTTGTGCT	ACCAAATAAG	ATTG---TTT	CTCTGCTTAT
L.pseudocicera	TGGCT-----	-CTTTGTGCC	ACCAAATAAG	ATTA---TTT	ATCTGCTTGT
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	AGGGT-----	-CTTCGATGT	GCCAGTTAAT	ACTACGCTTT	TTCTGCTTGG
L.latifolius	AGGGT-----	-CTTCGATGT	GCCAGTTAAA	ACTACGCTTT	TTCTGCTTGG
L.tingitanus	GCGGT-----	-CTATGTGCC	ACCAGAGAAT	AAGG---TAA	GGGTGCTTGT
Pisum sativum_H	CAAATT-----	-TTTACATTC	ATT-TGGGAG	GAAGTTTTTC	GCTTACATTC
Pisum sativum_K	CAAATT-----	-TTTACATTC	ATT-TGGGAG	GAAGTTTTTC	GCTTACATTC
Pisum sativum_HG	CAAATT-----	-TTTACATTC	ATT-TGGGAG	GAAGTTTTTC	GCTTACATTC
Pisum fulvum	CAAATT-----	-TTTACATTC	ATT-TGGGAG	GAAGTTTTTC	GCTTACATTC
Vavilovia formosa	TCATTT-----	-TTTAGATTC	ATT-TGGGAG	CAAGTTTTTC	GCTTACATTC
L.clymenum	CGTTTAG---	-TTTGCAATT	ATTGTGGGCG	TACTTTTTTA	GCTTTCATGC
L.ochrus	CGTTTAG---	-TTTGCAATT	ATTATGGGCG	TACTTTTTTA	GCTTTCATGC

<i>Trifolium strictum</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. glanduliferum</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. boissieri</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. aureum</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. meduseum</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. subterraneum</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. pratense</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTTT
<i>T. hybridum</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. semipilosum</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. occidentale</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. repens</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>T. lupinaster</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTTAT
<i>Cicer oxyodon</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTTCATTGGT	GGCTTCTCAT
<i>C. chorrassanicum</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTTCATTGGT	GGCTTCTCAT
<i>C. arietinum</i>	TAT---GGAA	TCGCCGGTTT	CTTTCTAAGT	TTTCATTGGT	GGCTTCTCAT
<i>Medicago truncatula_KF</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
<i>M. truncatula_AC</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
<i>M. sativa_K</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
<i>M. sativa</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
<i>M. papillosa</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
<i>M. hybrida</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
<i>M. falcata</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
<i>M. sativa_KU</i>	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
<i>Melilotus albus</i>	TAT---GGAA	TCGCGGGTCT	CTTTTTAAGT	TTACATTGGT	GGCTTCTAAT
<i>Hedysarum formosum</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTACATTGGT	GGATTCTAAT
<i>H. varium</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTACATTGGT	GGATTCTCAT
<i>H. singarense</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTTCATTGGT	GGATTCTCAT
<i>H. minjanense</i>	TAT---GGAA	TCGCGGGTCT	TTTTGTCAAGT	TTTCATTGGT	GGATTCTAAT
<i>Tavrniera glabra</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTCCATTGGT	GGATTCTAAT
<i>T. diffusa</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTCCATTGGT	GGATTCTAAT
<i>Greuteria membranacea</i>	TAT---GGAA	TCGCGGGTCT	ATTTGTAAGT	TTTCATTGGT	GGATTCTAAT
<i>Corethroedendron scoparium</i>	TAT---GGAA	TCGCGGGTCT	ATTTGTAAGT	TTTCATTGGT	GGATTCTAAT
<i>Eversmannia subspinosa</i>	TAT---GGAA	TCGCGGGTCT	ATTTGTAAGT	TTTCATTGGT	GGATTCTAAT
<i>Onobrychis bungei</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTTCATTGGT	GGATTCTAAT
<i>O. cornuta</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTTCATTGGT	GGATTCTAAT
<i>O. michauxii</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTTCATTGGT	GGATTCTAAT
<i>O. subacaulis</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTTCATTGGT	GGATTCTAAT
<i>O. teheranica</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTTCATTGGT	GGATTCTAAT
<i>Alhagi maurorum</i>	TAT---GGAA	TCGCGGGTCT	ATTTGTAAGT	TTTCATTGGT	GGATTCTCAT
<i>Caragana microphylla</i>	TAT---GGAA	TCGCGGGTCT	CTTTGTAAAGT	TTTCATTGGT	GGATTCTAAT
<i>C. korshinski</i>	TAT---GGAA	TCGCGGGTCT	CTTTGTAAAGT	TTTCATTGGT	GGATTCTAAT
<i>C. kozlowii</i>	TAT---GGAA	TCGCGGGTCT	GTTTGTAAGT	TTTCATTGGT	GGATTCTAAT
<i>C. rosea</i>	TAT---GGAA	TCGCGGGTCT	CTTTGTAAAGT	TTTCATTGGT	GGATTCTAAT
<i>Tibetia liangshanensis</i>	TAT---GGAA	TCGCGGGTCT	CTTTGTAAAGT	TTTCATTGGT	GGATTCTCAT
<i>Gueldenstaedtia verna</i>	TAT---GGAA	TCGCGGGTCT	CTTTGAAAGT	TTTCATTGGT	GGATTCTCAT
<i>Halimodendron halodendron</i>	TTT---AGAA	TCGGTGGTTG	ATCTTGTAAGT	TTCCATGGGA	GATTGGATTT
<i>Smirnowia turkestanica</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>Eremosparton flaccidum</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>Colutea persica</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTTTAAT
<i>C. triphylla</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGG	GGCTTTTAAT
<i>Sphaerophylla salsula</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGG	GGCTTTTAAT
<i>Podlechiella vogelii</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>Carmichaelia australis</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>Sutherlandia frutescens</i>	TAT---GGAA	TTTCCGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>Astragalus membranaceus</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>A. mongholicus</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>A. nakaianus</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>A. macropelmatus</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>A. iranicus</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>A. denudatus</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>A. odoratus</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>Oxytropis szovitsii</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>O. iranica</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>O. kotschyana</i>	TAC---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>Erophaca baetica</i>	TAT---GGAA	TCTCAGGTCT	TTTTGTAAAGT	TTTCATTGGT	GGCTTCTAAT
<i>Wisteria floribunda</i>	TAT---GGAA	CCGCGGGTCT	CTTTCTAAGT	TTTTCTTGGT	GGCTTCTAAT
<i>W. sinensis</i>	TAT---GGAA	CCGCGGGTCT	CTTTCTAAGT	TTTTCTTGGT	GGCTTCTAAT
<i>Glycyrrhiza lepidota</i>	TAT---GGAA	CCGCGGGTCT	CTTTCTAAGT	TTTTCTTGGT	GGCTTCTAAT
<i>G. uralensis</i>	TAT---GGAA	CCGCGGGTCT	CTTTCTAAGT	TTTTCTTGGT	GGCTTCTAAT
<i>G. glabra</i>	TAT---GGAA	CCGCGGGTCT	CTTTCTAAGT	TTTTCTTGGT	GGCTTCTAAT
<i>Meristotropis xathioides</i>	TAT---GGAA	CCGCGGGTCT	CTTTCTAAGT	TTTTCTTGGT	GGCTTCTAAT
<i>Robinia pseudoacacia</i>	TAT---TCAA	CCATGTTTCT	ATTTTTAAGT	TTTTCTTGGT	GGCTTCTAAT
<i>Lotus japonicus</i>	TAT---GGGA	CCGCGGGTCT	ATTTGTTAGT	TTGTTTTTGT	GGCTTACCAT
<i>Vicia alpestris</i>	TAT---GGAA	TGGCAGGCCT	CCCTCTTAG-	TCCCCTGCA	CCACCAATC
<i>V. sativa</i>	TAT---GGAA	TTGCAGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTCCT
<i>V. peregrina</i>	TAT---GGAA	TTGCAGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTCCT
<i>V. sepium</i>	TAT---GGAA	TTGCAGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTCAT
<i>V. faba</i>	TAT---GGAA	TTGCCGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT

V.canescens	TAT---GGAA	TTGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTATAAT
V.monantha	TAT---GGAA	TTGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
V.tetrasperma	TAT---GGAA	TTGCGGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
V.narbonensis	TAT---GGAA	TTGCAGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTATT
Lens culinaris	TAT---GGAA	TTGCAGGTCT	CTTTCTAAGT	TTACATTGGT	GGCTTCTAAT
L.orientalis	TAT---GGAA	TTGCAGGTCT	CTTTCTAAGT	TTCCCTTGGT	GGCTTCTAAT
V.ervilia	TAT---GGAA	TCGCGGGTCT	CCTTCTAAGT	TTACATTGGT	GGCTTCTAAT
Galega officinalis	TAT---GGAA	TCGCGGGTCT	CTTTCTAAGT	TTCCATTGGT	GGCTTCTAAT
Lathyrus palustris_K	CTT---GCAA	TTATAAATAT	ACTCATAACT	ATAGGGGGTT	CATTTCTATT
L.palustris_H	CTT---GCAG	TTATAAATAT	ACTCATAACT	ATAGGGGGTT	CATTTCTATT
L.davidii	CTT---GCAA	TTGGAAATAT	ACTCATAAGT	ATCGCAGGTT	CCTTCTTATT
L.japonicus	CTT---GCAA	TTCTAACTAT	ATTCATAAGT	ATAGCAGGTT	CATTTGTATT
L.ochroleucus	CTT---GCAA	TTATAAATAT	ACTAATTGCA	ATAGGAGGTT	CATTTCTTTT
L.littoralis	CTT---GGAA	TTATAAATAT	ACTCATAAGT	CTAGCAGGTT	CATTTCTATT
L.venosus	CTT---GCAA	TTATAAATAT	ACTAATTGGC	ATAGGGGGTT	CATTTCTTTT
L.graminifolius	TTT---GCAA	TAATAAATAT	ACTCCTGAGT	CTAGGTGGTT	CATTTCTTTT
L.pubescens	CTATTAGCAA	TGCTAAGTCT	CCTTGGAAGT	TTAGCGTGTT	CGCTTGTATT
L.sativus_KJ	CACT--GCAA	TTGTCAGTAT	CCTAAGCGGT	ATCATGTTTC	AATATATTAA
L.sativus_HM	CACT--GCAA	TTGTCAGTAT	CCTAAGCGGT	ATCATGTTTC	AATATATTAA
L.pseudocicera	CACT--GCAA	TTGTAAGTAT	CCTAATCGGT	ATCATGTTTC	AATATATTAA
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	CAAA--GGAA	TCGTAAGTCT	CGTTTTAGGT	TTTTTATTAG	TATACAAAAC
L.latifolius	CAAA--GGAA	TCGTAGGTAT	CGTTTTAGGT	TTTTTGTTGG	TATACAAAAC
L.tingitanus	CTTT--GGAA	TTGTAGGTAT	CCTTCTAGGT	TTCGGGTGTT	TGCTTAATCT
Pisum sativum_H	AGAT--GAAG	TTGTCCAGTG	TGCCACGAG-	----AAGAAA	GGGTCAGGCT
Pisum sativum_K	AGAT--GAAG	TTGTCCAGTG	TGCCACGAG-	----AAGAAA	GGGTCAGGCT
Pisum sativum_HG	AGAT--GAAG	TTGTCCAGTG	TGCCACGAG-	----AAGAAA	GGGTCAGGCT
Pisum fulvum	AGAT--GAAG	TTGTCCAGTG	TGCCACGAG-	----AAGAAA	GGGTCAGGCT
Vavilovia formosa	AGAA--GAAG	TTGTCCAGTG	TGCCACGAG-	----AAATAA	GGGTCAGGCT
L.clymenum	CGGT--CAAC	TGGATCTTCG	TGCCACCAGC	-CAGACAAAA	GGGTCAGGCT
L.ochrus	CGGT--CAAC	TGGATCTTCG	TGCCACCAG-	----ACAAAA	GGGTCAGGCT

<i>Trifolium strictum</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. glanduliferum</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. boissieri</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. aureum</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. meduseum</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. subterraneum</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. pratense</i>	TTTTTGGGAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. hybridum</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. semipilosum</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. occidentale</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. repens</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>T. lupinaster</i>	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>Cicer oxyodon</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATT	TTTTTGATAA	AAAAAATAGA
<i>C. chorrassanicum</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATT	TTTTTGATAA	AAAAAATAGA
<i>C. arietinum</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATT	TTTTTGATAA	AAAAAATAGA
<i>Medicago truncatula_KF</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAAGAGA
<i>M. truncatula_AC</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAAGAGA
<i>M. sativa_K</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATAGA
<i>M. sativa</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATAGA
<i>M. papillosa</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATAGA
<i>M. hybrida</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATAGA
<i>M. falcata</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATAGA
<i>M. sativa_KU</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATAGA
<i>Melilotus albus</i>	TTTTTGGAAAT	GT-GGGGAGT	GGTTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>Hedysarum formosum</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTATGATAA	CCAAATGGGA
<i>H. varium</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTATGATAA	CCAAATGGGA
<i>H. singanense</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTATGATAA	CCAAATGGGA
<i>H. minjanense</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTATGATAA	CCAAATGGGA
<i>Tavniera glabra</i>	TTTTTTAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>T. diffusa</i>	TTTTTTAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>Greuteria membranacea</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>Corethroedendron scoparium</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>Eversmannia subspinosa</i>	TTTTTGGAAAT	GT-AGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>Onobrychis bungei</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>O. cornuta</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>O. michauxii</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTATGATAA	CCAAATGGGA
<i>O. subacaulis</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>O. teheranica</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>Alhagi maurorum</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	CCAAATGGGA
<i>Caragana microphylla</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	TCAAATGGGA
<i>C. korshinski</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	TCAAATGGGA
<i>C. kozlowii</i>	TTTTTGTAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	TCAAATGGGA
<i>C. rosea</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	TCAAATGGGA
<i>Tibetia liangshanensis</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAG	CAAATGGGA
<i>Gueldenstaedtia verna</i>	TCTTTGGAAAT	GT-GGGTAGG	GGTAATAAATC	TTTACAATAA	-AAAATGGGA
<i>Halimodendron halodendron</i>	TATTTTAAAT	GT-AACTAGT	TTTTTTATTT	ATATGGAGAT	ACAACGTGCT
<i>Smirnowia turkestanica</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Eremosparton flaccidum</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Colutea persica</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>C. triphylla</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Sphaerophylla salsula</i>	TTTGTGGAAA	GT-GGGTAGG	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Podlechiella vogelii</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Carmichaelia australis</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Sutherlandia frutescens</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Astragalus membranaceus</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>A. mongholicus</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>A. nakaianus</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>A. macropelmatus</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>A. iranicus</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>A. denudatus</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>A. odoratus</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Oxytropis szovitsii</i>	TATGTGGAAAT	GT-GGGTAGT	GGTTATAAACC	TTTACGATAA	AAAAAATGGGA
<i>O. iranica</i>	TATGTGGAAAT	GT-GGGTAGT	GGTTATAAACC	TTTACGATAA	AAAAAATGGGA
<i>O. kotschyana</i>	TATGTGGAAAT	GT-GGGGAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Erophaca baetica</i>	TTTGTGGAAAT	GT-GGGTAGT	GGTTATAAATC	TTTACGATAA	AAAAAATGGGA
<i>Wisteria floribunda</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATGATT	TTTTTGATAA	AAAAAATGGGA
<i>W. sinensis</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATGATT	TTTTTGATAA	AAAAAATGGGA
<i>Glycyrrhiza lepidota</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATGATT	TTTTTCGATAA	AAAAAATAAA
<i>G. uralensis</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATGATT	TTTTTCGATAA	AAAAAATAAA
<i>G. glabra</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATGATT	TTTTTCGATAA	AAAAAATAAA
<i>Meristotropis xathioides</i>	TTTTTGGAAAT	GT-GGGTAGT	GGTTATGATT	TTTTTCGATAA	AAAAAATAAA
<i>Robinia pseudoacacia</i>	TTTTTGGAAAT	GT-GGGTAGT	GGCTATGATC	TTTTTCGATAA	AAAAACTAGA
<i>Lotus japonicus</i>	TTTTTGGAAAT	GT-GGGCAGT	GGTTATGATC	TTTTTCGATAA	AAAAAGAGGA
<i>Vicia alpestris</i>	TGATTGCACC	ACCAGGGAGT	GCTTATAATA	ATTACGACCC	ACCAAATGAA
<i>V. sativa</i>	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATCAA
<i>V. peregrina</i>	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATAAA
<i>V. sepium</i>	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATCGA
<i>V. faba</i>	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATCGA

V.canescens	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATAGA
V.monantha	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATAGA
V.tetrasperma	TTTTTGGAAAT	GT-CGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATAGA
V.narbonensis	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATAGA
Lens culinaris	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATAGA
L.orientalis	TTTTTGGAAAT	GT-GGGGAGT	GGCTATAAATT	TTTTTCGATAA	AAAAAATAGA
V.ervilia	TTTTTGGAAAT	GT-AGGGAGT	GTTTATAAATT	TTTTTCGATAA	AAAAAATCGA
Galega officinalis	TTTTTGGAAAT	GT-GGGTAGT	GTTTATAAATT	TTTTTGATAA	AAAAAATAGA
Lathyrus palustris_K	TTATTGGAAT	AA-AGGGGGT	GGCTCAAATT	TTTTTGATAA	AAAAAATGGA
L.palustris_H	TTATTGGAAT	AA-AGGGGGT	GGATCCAATT	TTTTTGATAA	AAAAAATGGA
L.davidii	CTATTATAAT	AG-AGGAGCT	GGATATAAATT	TCTTCGATAG	AGAGAAGGGT
L.japonicus	TTATTGGAAC	AG-GGGCGGT	GGCTACAATT	TGTTTCGATAA	AAAAAATGGA
L.ochroleucus	TTATTGGAAC	AA-GGGGTCC	GGCTTCAATT	TTTTTCGATAA	AAAAAATGGC
L.littoralis	CTATTGGAAT	CG-GGGAGGT	GGCTCCAATT	TTTTTCGATAA	AAAAAATGAA
L.venosus	TTATTGGAAC	AA-GGGCAGC	GGCGCCAATT	TTTTTCGATAA	AAAAAATGGT
L.graminifolius	TTATTGGAAT	AC-GGGCGCC	GGCTCCAATT	TTTTTCGATAA	AAAAAAGAT
L.pubescens	TTATTGGAAT	GT-AGGAAGC	GGGTATAATC	TATACCATAA	AGCAAAAGGA
L.sativus_KJ	TTATTGGACT	GT-AATTGGC	GGAACTAATT	TTTTTCGATAA	AAGAAAAGGA
L.sativus_HM	TTATTGGACT	GT-AATTGGC	GGAACTAATT	TTTTTCGATAA	AAGAAAAGGA
L.pseudocicera	TTATTGCACT	GT-AACTGGC	GGAACTAATT	TTTTTCGATAA	AGAAGAAGGA
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	CTATTGCAAT	AA-TAACAGC	GGAACTAATT	GTTTTGATAA	AACAAAAGGA
L.latifolius	CTATTCCAAT	AG-TAACAGC	GGAACTAATT	GTTTTGATAA	AACAAAAGGA
L.tingitanus	TTATTGCAAT	GT-GGGGAGT	GGCTCTAATT	TTTTTCGATAA	AAAAAATGGA
Pisum sativum_H	GCTTTTGTAT	GC-----AAT	TGTAAAGATC	TTTCTAACGT	--TATATCGA
Pisum sativum_K	GCTTTTGTAT	GC-----AAT	TGTAAAGATC	TTTCTAACGT	--TATATCGA
Pisum sativum_HG	GCTTTTGTAT	GC-----AAT	TGTAAAGATC	TTTCTAACGT	--TATATCGA
Pisum fulvum	GCTTTTGTAT	GC-----AAT	TGTAAAGATC	TTTCTAACGT	--TATATCGA
Vavilovia formosa	GCTTGTGTAT	GC-----AAT	TGTACATATC	CTTGGATTTT	--TATATAAT
L.clymenum	GCTTTTCTAT	GC-----AAT	TGGAAGTATC	GCTCTATGTT	--TATGGTGT
L.ochrus	GCTTTTCTAT	GC-----AAT	TGGAAGTATC	GCTCTATGTT	--TATGGTGT

<i>Trifolium strictum</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. glanduliferum</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. boissieri</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. aureum</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. meduseum</i>	ATGGTTTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. subterraneum</i>	ATGGTTTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. pratense</i>	ATGGTTTGTT	TTTTTCGTTA	CGGATTT---	---CCCAGAA	CATATCGTCG
<i>T. hybridum</i>	ATGATTTGTT	TTTTTCGTTA	TGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. semipilosum</i>	ATGGTTTGTT	TTTTTCGTTA	TGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. occidentale</i>	ATGGTTTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. repens</i>	ATGGTTTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>T. lupinaster</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>Cicer oxyodon</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>C. chorrassanicum</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGCCG
<i>C. arietinum</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>Medicago truncatula_KF</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>M. truncatula_AC</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>M. sativa_K</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>M. sativa</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>M. papillosa</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>M. hybrida</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>M. falcata</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>M. sativa_KU</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>Melilotus albus</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>Hedysarum formosum</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>H. varium</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>H. singarense</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>H. minjanense</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>Tavniera glabra</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>T. diffusa</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>Greuteria membranacea</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>Corethroedron scoparium</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>Eversmannia subspinosa</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>Onobrychis bungei</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTG
<i>O. cornuta</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTG
<i>O. michauxii</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTG
<i>O. subacaulis</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTG
<i>O. teheranica</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTG
<i>Alhagi maurorum</i>	ATGGTGTGGC	TTTGTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTA
<i>Caragana microphylla</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGCTG
<i>C. korshinski</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGCTG
<i>C. kozlowii</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTG
<i>C. rosea</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTG
<i>Tibetia liangshanensis</i>	ATGGTGTGGT	TATTTTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTTG
<i>Gueldenstaedtia verna</i>	ATGGTGCCTG	-ATTTTCGT-A	CGGATTT---	---CCTGGCG	AAAATCGT-G
<i>Halimodendron halodendron</i>	GTGTTGTGAA	TTATTTATTA	ATGGTTTT---	---TCCAGAG	AAATTTTTTCG
<i>Smirnowia turkestanica</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>Eremosparton flaccidum</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>Colutea persica</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>C. triphylla</i>	ATGGGGTGGT	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>Sphaerophylla salsula</i>	ATGGTGTGGT	TTTTTCGTTA	CGGGTTTT---	---CCCAGAG	AAAATTTGTCG
<i>Podlechiella vogelii</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTCG
<i>Carmichaelia australis</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>Sutherlandia frutescens</i>	ATGGTATGGT	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>Astragalus membranaceus</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>A. mongholicus</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>A. nakaianus</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>A. macropelmatus</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>A. iranicus</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>A. denudatus</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>A. odoratus</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>Oxytropis szovitsii</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>O. iranica</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>O. kotschyana</i>	ATGGTGCCTG	TTTTTCGTTA	CGGATTT---	---CCCAGAG	AAAATCGTCG
<i>Erophaca baetica</i>	ATGGTGTGGT	TTTTTCGTTA	CGGATTT---	---CCTGGAG	AAAATCGTCG
<i>Wisteria floribunda</i>	ATGGTGTCTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	AAAATCGTCG
<i>W. sinensis</i>	ATGGTGTCTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	AAAATCGTCG
<i>Glycyrrhiza lepidota</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	AAAATCGTCG
<i>G. uralensis</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	AAAATCGTCG
<i>G. glabra</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	AAAATCGTCG
<i>Meristotropis xathioides</i>	ATGGTGTGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	AAAATCGTCG
<i>Robinia pseudoacacia</i>	ACAGTGCTCT	TTTTTCGTTA	TGGATTT---	---CCTGGAA	AAAATCGTCG
<i>Lotus japonicus</i>	ATAGTGTGCA	TTTTTCGTTA	CGGATTT---	---CCTGGAA	AAAATCGTCG
<i>Vicia alpestris</i>	ATGGTATATT	CTTCTCCACA	TCCAGTT---	---CTTCCAA	CATTTTCTTG
<i>V. sativa</i>	ATGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>V. peregrina</i>	ATGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>V. sepium</i>	ATGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG
<i>V. faba</i>	ATGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCG

V.canescens	ATGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCC
V.monantha	ATGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCC
V.tetrasperma	ATGGTATGTT	TTGTTCGCTA	CGGATTT---	---CCTGGAA	CATATCGTCC
V.narbonensis	ATGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCC
Lens culinaris	ATGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCC
L.orientalis	ATGGTATGTT	TTTTTCGGTA	CGGATTT---	---CCTGGAA	CATATTGTTG
V.ervilia	ATGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CAAATCGTCC
Galega officinalis	ACGGTATGTT	TTTTTCGTTA	CGGATTT---	---CCTGGAA	CATATCGTCC
Lathyrus palustris_K	CAGGTTTATA	TTACTCGTTA	CGGAATC---	---CCTGGAG	AGGGTCGTTT
L.palustris_H	CGGATTTATA	TTACTCGTTA	CGGAATC---	---CCTGGAG	AGGGTCGTTT
L.davidii	TATATCCATA	TTACTCGTTA	CGGAATC---	---CCTGGAG	AAGGTCGTTT
L.japonicus	CGTGTTTATA	TTACTCGTTA	CGGAATC---	---CCTGGAG	AAGGTCGTTT
L.ochroleucus	AGGGTCTATA	TTACTCGTTA	CGGAATC---	---CCTGGAG	AAGGTCGTTT
L.littoralis	CGCGTCTATC	TTACTCGTTA	CGGAATC---	---CCTGGAG	AAGGTCGTTT
L.venosus	AAGGTCTATA	TTACTCGTTA	CGGAATC---	---CCTGGAG	AAGGTCGTTT
L.graminifolius	GTAATCTATA	TTACTCGTTA	CGGAATC---	---CCTGGAG	AAGGTCGTTT
L.pubescens	ATGGTATATA	TTTCTCGTAA	CGGATTT---	---CCTGGAA	AAGGTCGTTT
L.sativus_KJ	GTGCTATATA	TTACTCGTTA	CAGACTTCCT	ATTCCCTGGAA	TAAGTAGCTC
L.sativus_HM	GTGCTATATA	TTACTCGTTA	CAGACTTCCT	ATTCCCTGGAA	TAAGTAGCTC
L.pseudocicera	GTGCTATATA	TTACTCGTTA	CGGACTTCCT	ATTCCCTGGAA	TAAGTAGCTC
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	ATGCTATATA	TTATTCGTTA	CGAATTCTCC	TTCCCTGGAA	AAACTAGTCG
L.latifolius	ATGCTATATA	TTATTCGTTA	CGGATTCCCC	TTCCCTGGAA	AAACTAGTCG
L.tingitanus	ATGGTATCTA	TTACTCGTTA	CGGACTT---	---CCTGGAA	AAGATCGTTG
Pisum sativum_H	ATGAGATTTA	GTTGTCGTTT	CGGCTTT---	---TCTGGAA	GAGATCGTTG
Pisum sativum_K	ATGAGATTTA	GTTGTCGTTT	CGGCTTT---	---TCTGGAA	GAGATCGTTG
Pisum sativum_HG	ATGAGATTTA	GTTGTCGTTT	CGGCTTT---	---TCTGGAA	GAGATCGTTG
Pisum fulvum	ATGAGATTTA	GTTGTCGTTT	CGGCTTT---	---TCTGGAA	GAGATCGTTG
Vavilovia formosa	ATAACATTTA	TTTCTCGTTT	CGGCTTT---	---CCTGGAA	GAGATCGTTG
L.clymenum	TTGTTCTAA	TTTATTG---	---CAAT---	---CTGCCGA	GTGGCTTTAA
L.ochrus	TTGTTCTAA	TTTATTG---	---CAAT---	---CTGCCGA	GTGGCTTTAA

<i>Trifolium strictum</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. glanduliferum</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. boissieri</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. aureum</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. meduseum</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. subterraneum</i>	TATTTTTCTC	CGAGTTCGTA	TGGCAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. pratense</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	GTACTACAAG
<i>T. hybridum</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. semipilosum</i>	TATTTTTCTC	CGAGTTCGTA	TAGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. occidentale</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. repens</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>T. lupinaster</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>Cicer oxyodon</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>C. chorrassanicum</i>	TATTTTTCTC	CGAGTTCGTA	TAGAAAATAT	TCAGTCCCTC	ATACTACAAG
<i>C. arietinum</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>Medicago truncatula_KF</i>	TATTTTTCTC	AGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>M. truncatula_AC</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>M. sativa_K</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCTCTC	ATACTACAAG
<i>M. sativa</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCTCTC	ATACTACAAG
<i>M. papillosa</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCTCTC	ATACTACAAG
<i>M. hybrida</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCTCTC	ATACTACAAG
<i>M. falcata</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCTCTC	ATACTACAAG
<i>M. sativa_KU</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCTCTC	ATACTACAAG
<i>Melilotus albus</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>Hedysarum formosum</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTATG
<i>H. varium</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTATG
<i>H. singanense</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTATG
<i>H. minjanense</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTATG
<i>Tavrneria glabra</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTATG
<i>T. diffusa</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTATG
<i>Greuteria membranacea</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTACG
<i>Corethroedendron scoparium</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTACG
<i>Eversmannia subspinosa</i>	TATTCTTTCC	CAAGTTCGTG	TAGAAGATAT	TTTGGCCCTT	CAATTTTACG
<i>Onobrychis bungei</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTATG
<i>O. cornuta</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCCCTT	CAATTTTACG
<i>O. michauxii</i>	TATTCTTTCC	CAAGTTCGTG	TAGAAGATAT	TTTGGCCCTT	CAATTTTATG
<i>O. subacaulis</i>	TATTCTTTCC	CAAGTTCGTG	TGGAAGATAT	TTTGGCTCTT	CAATTTTACG
<i>O. teheranica</i>	TATTCTTTCC	CAAGTTCGTG	TAGAAGATAT	TCTGGCTCTT	CAATTTTACG
<i>Alhagi maurorum</i>	TATTCTTTCC	CACGTTCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTACT
<i>Caragana microphylla</i>	TATTCTTTCC	CACGTTCGTG	TAGAAGATAT	TCTGGCCCTC	CAATTTTACG
<i>C. korshinski</i>	TATTCTTTCC	CACGTTCGTG	TAGAAGATAT	TCTGGCCCTC	CAATTTTACG
<i>C. kozlowii</i>	TATTCTTTCC	CACGTTCGTG	TAGAAGATAT	TCTGGCCCTC	CAATTTTACG
<i>C. rosea</i>	TATTCTTTCC	CACGTTCGTG	TAGAAGATAT	TCTGGCCCTC	CAATTTTACG
<i>Tibetia liangshanensis</i>	TATTCTTTCC	CACGTTCGTG	TGGAAGATAT	TCTAGCCCTC	CAATTTTACG
<i>Gueldenstaedtia verna</i>	AATTCTTTCC	CACGTTCGTG	TGAAAAATAT	TCTAGCCCTC	CAATTTTACG
<i>Halimodendron halodendron</i>	TATTCTTTCC	CACCTCCAG	TTGGAGATAA	TCAGCCCTC	CAGCAATTTG
<i>Smirnowia turkestanica</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>Eremosparton flaccidum</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>Colutea persica</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>C. triphylla</i>	GATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>Sphaerophysa salsula</i>	TATTCTTTCC	CAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>Podlechiella vogelii</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TTTGGCCCTC	CAATTTTTCG
<i>Carmichaelia australis</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>Sutherlandia frutescens</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTT	CAATTTTTCG
<i>Astragalus membranaceus</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>A. mongholicus</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>A. nakaianus</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>A. macropelmatus</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>A. iranicus</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>A. denudatus</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>A. odoratus</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>Oxytropis szovitsii</i>	TATTATTTCC	AAAGTACGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>O. iranica</i>	TATTATTTCC	AAAGTACGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>O. kotschyana</i>	TATTATTTCC	AAAGTACGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>Erophaca baetica</i>	TATTCTTTCC	AAAGTCCGTG	TGGAAGATAT	TCTGGCCCTC	CAATTTTTCG
<i>Wisteria floribunda</i>	TATTTTTCTC	CGAGTCCGTA	TGGACGATAT	TCAGTCCCTC	ATAATACACA
<i>W. sinensis</i>	TATTTTTCTC	CGAGTCCGTA	TGGACGATAT	TCAGTCCCTC	ATAATACACA
<i>Glycyrrhiza lepidota</i>	TATTTTTTATC	CGAGTCCGTA	TGGACGATAT	TCAGTCCCTC	ATAATACAAA
<i>G. uralensis</i>	TATTTTTTATC	CGAGTCCGTA	TGGACGATAT	TCAGTCCCTC	ATAATACAAA
<i>G. glabra</i>	TATTTTTTATC	CGAGTCCGTA	TGGACGATAT	TCAGTCCCTC	ATAATACAAA
<i>Meristotropis xathioides</i>	TATTTTTTATC	CGAGTCCGTA	TGGACGATAT	TCAGTCCCTC	ATAATACAAA
<i>Robinia pseudoacacia</i>	TATTTTTTACA	AAAGTCCCTA	TGGACGATAT	TCAGGCCATC	ATAGTACAAA
<i>Lotus japonicus</i>	TATTTTTTATC	CGAGTCCCTA	TCAACGATAT	TCAGTCCCTC	ATAATACAAA
<i>Vicia alpestris</i>	CTCTTGTTTA	TCAGATCGTT	CGGTAGTACT	ACAGTCCATC	ATAATACCAT
<i>V. sativa</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>V. peregrina</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>V. sepium</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
<i>V. faba</i>	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG

V.canescens	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
V.monantha	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
V.tetrasperma	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
V.narbonensis	TATTTTTCTC	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
Lens culinaris	TATTTTTCTC	CGAGTTCATA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
L.orientalis	TATTTTTCTC	CGAGTTCATA	TGGAAGATAT	TCAGTCCCTC	ATAATACAAG
V.ervilia	TATTTTTCTC	CGAGTTCGTA	TGGA AAAATAT	TAAGTCCCTC	ATACTTCAAG
Galega officinalis	TATTTTTCTA	CGAGTTCGTA	TGGAAGATAT	TCAGTCCCTC	ATACTACAAG
Lathyrus palustris_K	TCGTGTTTGG	GAAATTA AAA	TTAAAGATAT	ATCCTGCCTA	ATATTAGTAA
L.palustris_H	TCGTGTTTGG	GAAATTA AAA	TGCAAGATAT	ATGCTGCCTA	ATATTAGTAA
L.davidii	TCGTATTTGG	AAAATTC AAA	TTAAAGATGT	TAATTGTTTA	ACATTAGTAA
L.japonicus	TCGTGTTTGG	GAAATTGATA	TTCAAAAATAT	TTGCTGCCTA	ATATTAGTAA
L.ochroleucus	TCGTGTTTGG	GAAATATCAA	CTCAAGATAT	TAGCTGCCTA	ATATTAGTCA
L.littoralis	TCATGTTTCGG	GAAATTAATA	TGAAAAATAT	TTGCTGCCTA	ATATTAGTAA
L.venosus	TCGTGTTTGG	GAAATTGATA	TGAAAGATAT	TAGATGCCTA	ATATTAGTAA
L.graminifolius	TCGTATTTGG	AAGATTGAAA	TGAAAGATAT	TAGATGCCTA	ATATTAGTAA
L.pubescens	TACTGTTCTG	GAAGTTCCTC	TGGAAGATAG	TTTATCGATA	ATCCTCAAAA
L.sativus_KJ	TAATGTTTCGC	CGCATTTTAA	TAAAAGAAAAT	TTCGTGCCTC	ATACTAGTAA
L.sativus_HM	TAATGTTTCGC	CGCATTTTAA	TAAAAGAAAAT	TTCGTGCCTC	ATACTAGTAA
L.pseudocicera	TAATGTTTCGG	CGCATTTTAA	TAAAAGAAAAT	TTCGTGCCTT	ATACTAGTAA
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	TACTGTTCTT	CACATTCGGC	TAAAAGATAT	TACGTGCCTC	ATACTAAGGA
L.latifolius	TACTGTTCTT	CACATTCGGC	TAAAAGATAT	TACGTGCCTC	ATACTCAAGA
L.tingitanus	TACTGTTTTA	CAAGTTCCTA	TGAAAGATAT	TCCGTGCCTC	ATACTAAAAA
Pisum sativum_H	TATTATTCCC	AGAGTTCCTA	TGAACGCTAG	TCAGTGCCTC	ATACAAAAAA
Pisum sativum_K	TATTATTCCC	AGAGTTCCTA	TGAACGCTAG	TCAGTGCCTC	ATACAAAAAA
Pisum sativum_HG	TATTATTCCC	AGAGTTCCTA	TGAACGCTAG	TCAGTGCCTC	ATACAAAAAA
Pisum fulvum	TATTATTCCC	AGAGTTCCTA	TGAACGCTAG	TCAGTGCCTC	ATACAAAAAA
Vavilovia formosa	TATTATTCCC	AGAGTTCATA	TGAACAATAG	TCAGTGCCTC	ATACAAAAAA
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	TTTGTTCGAT	AAAAAACATC	TAGTGGTATA	TATTACTCGT	TACGGATTTT

Trifolium strictum	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
T. glanduliferum	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
T. boissieri	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
T. aureum	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
T. meduseum	CTAACCCCTAA	TCC	-----	----	AGAACC	-----	-----	T
T. subterraneum	CTAACCCCTAA	TCC	-----	----	AGAACC	-----	-----	T
T. pratense	CTAACCCCTAA	TCC	-----	----	AGAACC	-----	-----	T
T. hybridum	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
T. semipilosum	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
T. occidentale	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
T. repens	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
T. lupinaster	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
Cicer oxyodon	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
C. chorrassanicum	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
C. arietinum	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
Medicago truncatula_KF	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	C
M. truncatula_AC	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	C
M. sativa_K	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	C
M. sativa	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	C
M. papillosa	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	C
M. hybrida	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	C
M. falcata	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	C
M. sativa_KU	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	C
Melilotus albus	CTAACCCCTAA	CCC	-----	----	AGAACC	-----	-----	T
Hedysarum formosum	CTAACCCAG-		-----	----	AACC	-----	-----	T
H. varium	CTAACCCAG-		-----	----	AACC	-----	-----	T
H. singarense	CTAACCCAG-		-----	----	AACC	-----	-----	T
H. minjanense	CTAACCCAG-		-----	----	AACC	-----	-----	T
Tavrniara glabra	CTAATCCAG-		-----	----	AACC	-----	-----	T
T. diffusa	CTAACCCAG-		-----	----	AACC	-----	-----	T
Greuteria membranacea	CTAACCCAG-		-----	----	AACC	-----	-----	T
Corethroedendron scoparium	CTAACCCAG-		-----	----	AACC	-----	-----	T
Eversmannia subspinosa	CTAACCCAG-		-----	----	AACC	-----	-----	T
Onobrychis bungei	CTAACCCCG-		-----	----	AACC	-----	-----	T
O. cornuta	CTAACCCAG-		-----	----	AACC	-----	-----	T
O. michauxii	CTAACCCAG-		-----	----	AACC	-----	-----	T
O. subacaulis	CTAACCCAG-		-----	----	AACC	-----	-----	T
O. teheranica	CTAACCCAG-		-----	----	AACC	-----	-----	T
Alhagi maurorum	CTAATTCAGC	AG	-----	----	AACC	-----	-----	T
Caragana microphylla	CTAACCCAG-		-----	----	AACC	-----	-----	T
C. korshinski	CTAACCCAG-		-----	----	AACC	-----	-----	T
C. kozlowii	CTAACCCAG-		-----	----	AACC	-----	-----	T
C. rosea	CTAACCCAG-		-----	----	AACC	-----	-----	T
Tibetia liangshanensis	CTAACCCAG-		-----	----	AACC	-----	-----	T
Gueldenstaedtia verna	CTAGGCCAA-		-----	----	AACC	-----	-----	T
Halimodendron halodendron	AAGCGCCGGC	AG	-----	----	ATCC	-----	-----	T
Smirnowia turkeстана	ATAACCCGG-		-----	----	AACC	-----	-----	T
Eremosparton flaccidum	ATAACCCGG-		-----	----	AACC	-----	-----	T
Colutea persica	ATAACCCAG-		-----	----	AACC	-----	-----	T
C. triphylla	ATAACCCAG-		-----	----	AACC	-----	-----	T
Sphaerophysa salsula	ATAACCCAG-		-----	----	AACC	-----	-----	T
Podlechiella vogelii	ATAACCCAG-		-----	----	AACC	-----	-----	T
Carmichaelia australis	ATAACCCAG-		-----	----	AACC	-----	-----	T
Sutherlandia frutescens	ATAACCCCG-		-----	----	AACC	-----	-----	T
Astragalus membranaceus	ATAACCCAG-		-----	----	AACC	-----	-----	T
A. mongholicus	ATAACCCAG-		-----	----	AACC	-----	-----	T
A. nakaianus	ATAACCCAG-		-----	----	AACC	-----	-----	T
A. macropelmatus	ATAACCCAG-		-----	----	AACC	-----	-----	T
A. iranicus	ATAACCCAG-		-----	----	AACC	-----	-----	T
A. denudatus	ATAACCCAG-		-----	----	AACC	-----	-----	T
A. odoratus	ATAACCCAG-		-----	----	AACC	-----	-----	T
Oxytropis szovitsii	ATAACCCAG-		-----	----	AACC	-----	-----	T
O. iranica	ATAACCCAG-		-----	----	AACC	-----	-----	T
O. kotschyana	ATAACCCAG-		-----	----	AACC	-----	-----	T
Erophaca baetica	ATAAACCCG-		-----	----	AACC	-----	-----	T
Wisteria floribunda	GTCAAATCGA	AACTAAAAAA			GATAGTAGGT	CTAAAAAAGA	AAGTCAGTAT	
W. sinensis	GTCAAATCGA	AACTAAAAAA			GATAGTAGGT	CTAAAAAAGA	AAGTCAGTAT	
Glycyrrhiza lepidota	GTCAAATAGA	AACTAAAAAA			GATAGTAGGT			AT
G. uralensis	GTCAAATAGA	AACTAAAAAA			GATAGTAGGT			AT
G. glabra	GTCAAATAGA	AACTAAAAAA			GATAGTAGGT			AT
Meristotropis xathioides	GTCAAATAGA	AACTAAAAAA			GATAGTAGGT			AT
Robinia pseudoacacia	GTAAAGTAGG	AAATTCAAAA			GATGGTAAGT	AT		CTT
Lotus japonicus	GTAAAAAGGA	AAATAAAAAA			GAGGGTAGGT	AT		CTT
Vicia alpestris	CCTCCTCAG-		-----	----	AACC	-----	-----	T
V. sativa	CTAACCCAG-		-----	----	AACC	-----	-----	T
V. peregrina	CTAACCCAG-		-----	----	AACC	-----	-----	T
V. sepium	CTAACCCAG-		-----	----	AACC	-----	-----	T
V. faba	CTAACCCAG-		-----	----	AACC	-----	-----	T

V.canescens	CTAACCCAG-	-----	-----	AACC	-----	-----	T
V.monantha	CTAACCCAG-	-----	-----	AACC	-----	-----	T
V.tetrasperma	CTAACCCAG-	-----	-----	AACC	-----	-----	T
V.narbonensis	CTAACCCAG-	-----	-----	AACC	-----	-----	T
Lens culinaris	CTAACCCAG-	-----	-----	AACC	-----	-----	T
L.orientalis	GTAACCCAG-	-----	-----	AACC	-----	-----	T
V.ervilia	CTAACCCAG-	-----	-----	AACC	-----	-----	T
Galega officinalis	CTAACGCTAA	CCC-----	-----	AGAACC	-----	-----	T
Lathyrus palustris_K	CTAATAATAT	-----	-----	-----	-----	-----	T
L.palustris_H	CTAATAATTT	-----	-----	-----	-----	-----	T
L.davidii	CTAACCCCTCT	-----	-----	-----	-----	-----	T
L.japonicus	CTAACTACTA	-----	-----	-----	-----	-----	T
L.ochroleucus	CTAATACCTA	-----	-----	-----	-----	-----	C
L.littoralis	CTAACCAATTA	-----	-----	-----	-----	-----	T
L.venosus	CTAACCCTTA	-----	-----	-----	-----	-----	C
L.graminifolius	CTAATATCTA	-----	-----	-----	-----	-----	T
L.pubescens	TGAACCAAAA	-----	-----	-----	-----	-----	T
L.sativus_KJ	CTAACCGAAT	-----	-----	-----	-----	-----	C
L.sativus_HM	CTAACCGAAT	-----	-----	-----	-----	-----	C
L.pseudocicera	CTCACCGAAT	-----	-----	-----	-----	-----	C
L.chloranthus	-----	-----	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----	-----	-----
L.cirrhosus	GTGATCCAAT	-----	-----	-----	-----	-----	A
L.latifolius	CTGACCCAAT	-----	-----	-----	-----	-----	A
L.tingitanus	CGAACCCAGA	-----	-----	-----	-----	-----	T
Pisum sativum_H	CTAACCCAGA	TAGT-----	---	AATGATG	TCCTTGTCCT	TTCTATGAAA	-----
Pisum sativum_K	CTAACCCAGA	TAGT-----	---	AATGATG	TCCTTGTCCT	TTCTATGAAA	-----
Pisum sativum_HG	CTAACCCAGA	TAGT-----	---	AATGATG	TCCTTGTCCT	TTCTATGAAA	-----
Pisum fulvum	CTAACCCAGA	TAGT-----	---	AATGATG	TCCTTGTCCT	TTCTATGAAA	-----
Vavilovia formosa	TGAACCGAGA	TAGT-----	---	AATGATG	TCCTT-----	-TCTATGAAA	-----
L.clymenum	-----	-----	-----	-----	-----	-----	-----
L.ochrus	TTGGAAAAGG	TCGA-----	---	TGTATTG	TTTCCCAAGT	TCCTATGAAA	-----

<i>Trifolium strictum</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. glanduliferum</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. boissieri</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. aureum</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. meduseum</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. subterraneum</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. pratense</i>	AGTAGTGGTG	TCCTTTTATAT	ACAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. hybridum</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. semipilosum</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. occidentale</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. repens</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>T. lupinaster</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>Cicer oxyodon</i>	AGTAGCGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAAGGGA	CCATTCCCTT
<i>C. chorrassanicum</i>	AGTAGCGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAAGGGA	CCATTCCCTT
<i>C. arietinum</i>	AGTAGCGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAAGGGA	CCATTCCCTT
<i>Medicago truncatula_KF</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACACGA	GAACAAGGGA	CCATTCCCTT
<i>M. truncatula_AC</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACACGA	GAACAAGGGA	CCATTCCCTT
<i>M. sativa_K</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACAAGA	GAACAAGGGA	CCATTCCCTT
<i>M. sativa</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACAAGA	GAACAAGGGA	CCATTCCCTT
<i>M. papillosa</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACAAGA	GAACAAGGGA	CCATTCCCTT
<i>M. hybrida</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACAAGA	GAACAAGGGA	CCATTCCCTT
<i>M. falcata</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACAAGA	GAACAAGGGA	CCATTCCCTT
<i>M. sativa_KU</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACAAGA	GAACAAGGGA	CCATTCCCTT
<i>Melilotus albus</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAAGGGA	CCATTCCCTT
<i>Hedysarum formosum</i>	CGTACGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATCCCCTT
<i>H. varium</i>	CGTACGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>H. singarense</i>	CGTATGGGTG	TCCTGTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>H. minjanense</i>	CGTACGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>Tavrneria glabra</i>	CGTACGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>T. diffusa</i>	CGTACGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>Greuteria membranacea</i>	CGTACGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>Corethroedendron scoparium</i>	CGTACGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>Eversmannia subspinosa</i>	CGTACGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>Onobrychis bungei</i>	CGTAAGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>O. cornuta</i>	CGTAAAGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>O. michauxii</i>	CGTACGGGTG	TCCTTTTATAT	GTACACTAGA	GAACAGGGGG	CCATTCCCTT
<i>O. subacaulis</i>	CGTACGGGTG	TCCTTTTATAT	GTACACTAGA	GAACAGGGGG	CCATTCCCTT
<i>O. teheranica</i>	CGTACGGGTG	TCCTTTTATAT	GTACACTAGA	GAACAGGGGG	CCATTCCCTT
<i>Alhagi maurorum</i>	CATGCGGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>Caragana microphylla</i>	CGTACTGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>C. korshinski</i>	CGTACTGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>C. kozlowii</i>	CGTACTGGTG	TCCTTTTATAT	GTACACCAGA	GAACAGGGGG	CCATTCCCTT
<i>C. rosea</i>	CGTACTGGTG	TCCTTTTATAT	GTATACCAGA	GAACAGGGGG	CCATTCCATT
<i>Tibetia liangshanensis</i>	CGTACTGGTG	TCCTTTTATAT	GTATACCAGA	GAACAGGGGG	CCATTCCCTT
<i>Gueldenstaedtia verna</i>	CGAACGGGGG	CCCTTTATGT	GTACACCAGA	AAACAGGGGG	CCGTTCCCTT
<i>Halimodendron halodendron</i>	TGTAGTGTG	TCCATGAGAC	CTCCACCAGA	CAGCGGGGG	CCACTCCCTT
<i>Smirnowia turkestanica</i>	TTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>Eremosparton flaccidum</i>	CGTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>Colutea persica</i>	TTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>C. triphylla</i>	TTTAGTGGGG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>Sphaerophylla salsula</i>	TGTAGTGGGG	TCCTTTTATAT	GCACACCAGA	GAACAAGGGG	ACATTCCCTT
<i>Podlechiella vogelii</i>	TTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>Carmichaelia australis</i>	CTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>Sutherlandia frutescens</i>	CGTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>Astragalus membranaceus</i>	CTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>A. mongholicus</i>	CTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>A. nakaianus</i>	TTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>A. macropelmatus</i>	CTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>A. iranicus</i>	CTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>A. denudatus</i>	CTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>A. odoratus</i>	CTTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>Oxytropis szovitsii</i>	CGTAGTGGCG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>O. iranica</i>	CGTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>O. kotschyana</i>	CGTAGTGGTG	TCCTTTTATAT	GCACACCAGA	GAACAGGGGG	ACATTCCCTT
<i>Erophaca baetica</i>	TTTAGTGGTA	TCCTTTTATAT	GCACACCCGA	GAACAGGGGG	ACATTCCCTT
<i>Wisteria floribunda</i>	CGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGG	CCATCCCCCT
<i>W. sinensis</i>	CGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGG	CCATCCCCCT
<i>Glycyrrhiza lepidota</i>	CGTAATGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGAG	CCATTCCCTT
<i>G. uralensis</i>	CGTAATGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGAG	CCATTCCCTT
<i>G. glabra</i>	CGTAATGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGAG	CCATTCCCTT
<i>Meristotropis xathioides</i>	CGTAATGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGG	CCATTCCCTT
<i>Robinia pseudoacacia</i>	CGTGGTGGTG	TCCTTTTATAT	TCAAACTCGA	GAACAGGGGG	CCTTTGCCTT
<i>Lotus japonicus</i>	CGCAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGG	CCATTCCCCT
<i>Vicia alpestris</i>	CATCACTGTG	TCCTTTTATAA	GCAAACCACA	GAACAAGGGA	CCATTCCCTT
<i>V. sativa</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>V. peregrina</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>V. sepium</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
<i>V. faba</i>	AGTAGTGGTG	TCCTTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT

V.canescens	AGTAGTGGTG	TCCTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
V.monantha	AGTAGTGGTG	TCCTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
V.tetrasperma	AGTAGTGGTG	TCCTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
V.narbonensis	AGTAGTGGTG	TCCTTTATAT	GCAAACCATA	GAACAGGGGA	CCATTCCCTT
Lens culinaris	AGTAGTGGTG	TTCTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
L.orientalis	TGTAGTGGTG	TTCTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
V.ervilia	AGTAGTGGTG	TCCTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
Galega officinalis	AGTAGTGGTG	TCCTTTATAT	GCAAACCAGA	GAACAGGGGA	CCATTCCCTT
Lathyrus palustris_K	TGGGGTGATG	TGTTTATATTT	AAAAACCCGC	GAACAGGAGA	CCTTGGCCTT
L.palustris_H	TGTGGTGATG	TCTTGTATTTT	AAAAACCCGC	GAACAGGAGA	CCTTGGCCTT
L.davidii	TGGGGTGATG	TTTTTACTTT	AAAATTTAAAT	ACCGGCCAAC	AGGTGGCCTT
L.japonicus	TGGGGTGATG	TGCTGTATTT	ACAAACTGTC	GAACAGGAAA	CCTTGAACCTT
L.ochroleucus	TGGGGGGATG	TTTTGTATTTT	ACAAACCTTC	GAACAGAAGA	CCATTACATTT
L.littoralis	TGGGGTGATG	TGCTGTATTTT	ACAAACCATC	GAACAGGAAA	CCTTGAACCTT
L.venosus	TGGGGGGATG	TGATGTATTTT	ACAAACCATC	AAACAGGGGA	CCTTTACCTTT
L.graminifolius	TGGGGGGATG	TGCTGCATTTT	AAAAACGAGA	GATCACAAGA	C'TTCCCTTT
L.pubescens	TGGGGTGATG	TGCTTTATCT	GGAAACCAGA	GAACAGGGGA	CCTTGACCTT
L.sativus_KJ	TGGGGTGATG	TCCTTTATAT	TGAAACCAGA	AAACACGGGA	CCTTGCCGAT
L.sativus_HM	TGGGGTGATG	TCCTTTATAT	TGAAACCAGA	AAACACGGGA	CCTTGCCGAT
L.pseudocicera	TGGGGTGATG	TCCTTTATAT	TGAAACCAGA	AAACACGGGA	CCTTGCCGAT
L.chloranthus	-----	-----	-----	-----	-----
L.pratensis	-----	-----	-----	-----	-----
L.odoratus_HM	-----	-----	-----	-----	-----
L.odoratus_kJ	-----	-----	-----	-----	-----
L.hirsutus	-----	-----	-----	-----	-----
L.annuus	-----	-----	-----	-----	-----
L.cirrhosus	TTTGGTGATG	TCCTTTATAT	TCAAACCAGA	GAACAGGGGA	TCTTGGCGGT
L.latifolius	TTTGGTGATG	TCCTTTATAT	TCAAACCAGA	GAACAGGGGA	TCTTGGCGGT
L.tingitanus	TGTGGTGATG	TCCTTTATAT	GAAAACCAGA	GAACAGGGGA	CCGTGCCCTT
Pisum sativum_H	ACCAGAGAAA	-----	-----GA	GAAAAGGGGA	CCATTCCCTT
Pisum sativum_K	ACCAGAGAAA	-----	-----GA	GAAAAGGGGA	CCATTCCCTT
Pisum sativum_HG	ACCAGAGAAA	-----	-----GA	GAAAAGGGGA	CCATTCCCTT
Pisum fulvum	ACCAGAGAAA	-----	-----GA	GAAAAGGGGA	CCATTCCCTT
Vavilovia formosa	ACCAGAGAAA	AGGGGACCAT	GAAAACCAGA	GAAAAGGGGA	CCATTCCCTT
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	GAGATTAAGT	GCCTCATACT	AAAAACTGAC	CCAGATCGTC	ATGATGTCCT

<i>Trifolium strictum</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>T. glanduliferum</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>T. boissieri</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACGTTATAC
<i>T. aureum</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>T. meduseum</i>	GACTCCTGTT	GATAATTATT	ATGATAGGAC	TCCACAC---	AACGTTATAC
<i>T. subterraneum</i>	GACTCCTGTT	GATAATTATT	ATGATAGGAC	TCCACAC---	AACGTTATAC
<i>T. pratense</i>	GACTCCTGTT	GATAATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>T. hybridum</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACGTTATAC
<i>T. semipilosum</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACGTTATAC
<i>T. occidentale</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACGTTATAC
<i>T. repens</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACGTTATAC
<i>T. lupinaster</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AATGTTATAC
<i>Cicer oxyodon</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>C. chorrassanicum</i>	GACTGCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>C. arietinum</i>	GACTCCTGGT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>Medicago truncatula_KF</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>M. truncatula_AC</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>M. sativa_K</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>M. sativa</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>M. papillosa</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>M. hybrida</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>M. falcata</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>M. sativa_KU</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACGTTATAC
<i>Melilotus albus</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCCGCG---	AACGTTATAC
<i>Hedysarum formosum</i>	GACTCCTGCT	GATGATTATT	ATGAGAGGAC	TCCACGCGCC	AGCGTTTTCG
<i>H. varium</i>	GACTCCTGCT	GATGATTATT	ATGCGAGGAC	TCCACGCGCC	AGCGTTTTCG
<i>H. singarense</i>	GACTCCTGCT	GATGATTA--	-TGAGAGGAC	TCCACGCGCC	AGCGTTTTCG
<i>H. minjanense</i>	GACTCCTGTT	GATGATTATT	ATGAGAGGAC	TCCACGCGCC	AGCGTTTTCG
<i>Tavrneria glabra</i>	GACTCCTGTT	GATGATTATT	ATGACAGGAC	TCCACGCGCC	AGCGTTTTTG
<i>T. diffusa</i>	GACTCCTGTT	GATGATTATT	ATGACAGCAC	TCCACGCGCC	AGCGTTTTTG
<i>Greuteria membranacea</i>	GACTCCTCTT	GATGATTATT	ATGAGAGGAC	TCCACGCACC	AGCGTTTTCG
<i>Corethroedendron scoparium</i>	GACTCCTCTT	GATGATTATT	ATGAGAGGAC	TCCACGCACC	AGCGTTTTCG
<i>Eversmannia subspinosa</i>	GACTCCTCTT	GATGATTATT	ATGAGAGGGC	TCCACGCACC	AGCGTTTTCG
<i>Onobrychis bungei</i>	GACCCCTCTT	GATGATTATT	ATGAGAGGAC	TCCACGCACC	AGCGTTTTTG
<i>O. cornuta</i>	GACTCCTCTT	GATGATTATT	ATGAGAGGAC	TCCACGCACC	AGCGTTTTCG
<i>O. michauxii</i>	GACTCCTCTT	GATGATTATT	ATGAGATGAC	TCCACGCACC	AGCGTTTTTG
<i>O. subacaulis</i>	GACTCCTCTT	GATGATTATT	ATGAGATGAC	TCCACGCACC	AGCGTTTTTG
<i>O. teheranica</i>	GACTCCTCTT	GATGATTATT	ATGAGATGAC	TCCACGCACC	AGCGTTTTTG
<i>Alhagi maurorum</i>	GACTCCTGTT	GATTATTATT	ATGATAAGAC	TCCACGCGCC	AGCGTTTTCC
<i>Caragana microphylla</i>	GACTCCTGTT	GATGTTTATT	ATGATAGGAC	TCCGCGCGCC	AGCGTTTTCG
<i>C. korshinski</i>	GACTCCTGTT	GATGTTTATT	ATGATAGGAC	TCCGCGCGCC	AGCGTTTTCG
<i>C. kozlowii</i>	GACTCCTGTT	GATGTTTATT	ATGATAGGAC	TCCGCGCGCC	AGCGTTTTCG
<i>C. rosea</i>	GACTCCTGTT	GATGTTTATT	ATGATAGGAC	TCCGCGCGCC	AGCGTTTTCG
<i>Tibetia liangshanensis</i>	GACTCCTCTT	GATGATTATT	ATGATAGGAC	TCCACGCGCC	AGCGTTTTCC
<i>Gueldenstaedtia verna</i>	GACCCC---	-----	-----	-----	-----
<i>Halimodendron halodendron</i>	TACTCCTGTT	GATGTTTATT	ATAATAGGAC	TCCGCGCTCC	AGCGTTTTAC
<i>Smirnowia turkestanica</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCCGCG---	AACATTTTAC
<i>Eremosparton flaccidum</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGC---	AACATTTTAC
<i>Colutea persica</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCCGCG---	AACATTTTAC
<i>C. triphylla</i>	GACTCCTGGT	GATGATTATT	ATGATAGGAC	TCCCGCG---	AACATTTTAC
<i>Sphaerophylla salsula</i>	GACTCCTGTT	GAAGATTATT	TTGATAGGAC	TCCCGCG---	AACATTTTAC
<i>Podlechiella vogelii</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACATTTTAC
<i>Carmichaelia australis</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACATTTTAC
<i>Sutherlandia frutescens</i>	GACTCCTGTT	GATGATTATT	ATGATAGGGC	TCCGCGC---	AACATTTTAC
<i>Astragalus membranaceus</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGG---	AACATTTTAC
<i>A. mongholicus</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGG---	AACATTTTAC
<i>A. nakaianus</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCCGCG---	AACATTTTAC
<i>A. macropelmatus</i>	GACCCTTGTT	GATGATTATT	ATGATAGGAC	TCCACGG---	AACATTTTAC
<i>A. iranicus</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGG---	AACATTTTAC
<i>A. denudatus</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCACGG---	AACATTTTAC
<i>A. odoratus</i>	GACTCCTGTT	GATGATTTTT	ATGATAGGAC	TCCACGG---	AACATTTTAC
<i>Oxytropis szovitsii</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACATTTTAC
<i>O. iranica</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACATTTTAC
<i>O. kotschyana</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCGCGC---	AACATTTTAC
<i>Erophaca baetica</i>	GACTCCTGTT	GATGATTATT	ATGATAGGAC	TCCCGCG---	AACATTTTGC
<i>Wisteria floribunda</i>	GACTCCTATT	GATGATTATT	---ATAGGAC	TTCAGCC---	AAAGTTATAC
<i>W. sinensis</i>	GACTCCTATT	GATGATTATT	---ATAGGAC	TTCAGCC---	AAAGTTATAC
<i>Glycyrrhiza lepidota</i>	GACTCCTATT	GATGATTATT	---ATAGGAC	TCCACGC---	AAAGTTGCAC
<i>G. uralensis</i>	GACTCCTATT	GATGATTATT	---ATAGGAC	TCCACGC---	AAAGTTGCAC
<i>G. glabra</i>	GACTCCTATT	GATGATTATT	---ATAGGAC	TCCACGC---	AAAGTTGCAC
<i>Meristotropis xathioides</i>	GACTCCTATT	GATGATTATT	---ATAGGAC	TCCACGC---	AAAGTTGCAC
<i>Robinia pseudoacacia</i>	GACTCCTATT	GACGATTATT	-----GGGA	TCCATTC---	AAAGTTGCAC
<i>Lotus japonicus</i>	AACTGCTGTT	GACGATTCTT	-----GGAA	TCCACCA---	AAAATTGCAC
<i>Vicia alpestris</i>	GACTCCTCTC	GATGAT----	-----AGGTC	TTCTCGC---	AACGTTATAC
<i>V. sativa</i>	GACTCCTGTT	GATGAT----	-----AGGAC	TCCCGCG---	AACGTTATAC
<i>V. peregrina</i>	GACTCCTGTT	GATGAT----	-----AGGAC	TCCCGCG---	AACGTTATAC
<i>V. sepium</i>	GACTCCTGTT	GATGAT----	-----AGGAC	TCCCGCG---	AACGTTATAC
<i>V. faba</i>	GACTCCTGTT	GATGAT----	-----AGGAC	TCCATGC---	AACGTTATAC

V.canescens	GACTCCTGTT	GATGAT----	-----AGGAC	TCCACGC---	AACGTTATAC
V.monantha	GACTCCTGTT	GATGAT----	-----AGGAC	TCCACGC---	AACGTTATAC
V.tetrasperma	GACTCCTGTT	GATGAT----	-----AGGAC	TCCACGC---	AACGTTATAC
V.narbonensis	GACTCCTGTT	GATGAT----	-----AGGAC	TCCACGC---	AACGTTATAC
Lens culinaris	GACTCCTGTT	GATGAT----	-----AGGAC	TCTACGC---	AACGTTATAC
L.orientalis	GGCTCCCGTT	GATGAT----	-----AGGGC	TCTACGC---	AACGTTATAC
V.ervilia	GAGTCCTGTT	GATGAT----	-----AGGAC	TCCACGC---	AACGTTATAC
Galega officinalis	GACTCCTGTT	GATGAGTATT	ATGATAGGAC	TCCGCGT---	AACGTTATCC
Lathyrus palustris_K	AAC---GCCT	ATTAAT----	--GGGACTTG	T---TAC---	AATCTTAGAG
L.palustris_H	AAC---TCCT	ATTAAT----	--GGGAGTTG	T---TAC---	AATCTTAGAG
L.davidii	AAC---ACCT	AGTAAT----	--GGTAGCTG	T---TAC---	ACTCTTAGAG
L.japonicus	AAC---GCCT	ATTAAT----	--GGAAGTTG	T---TAC---	AATCTTAGAG
L.ochroleucus	AAC---GCCT	ATTAAT----	--GGGAGTTG	T---TAC---	AATCTTAGAG
L.littoralis	AAC---GCCT	ATTAAT----	--GGGAGTTG	T---TAC---	AATCTTAGAG
L.venosus	AAC---ACCT	ATTAAT----	--GGGACTTG	T---TAC---	AATCTTAGAG
L.graminifolius	AAC---GCCT	ATTAAT----	--GGGAGTTG	T---TAC---	AATCTTAGAG
L.pubescens	AAC---GCCT	CCTCAT----	--GCTAGTTG	T---TAC---	AATCTTAGAG
L.sativus_KJ	GAC---TCCT	ACTAAA----	--GATGGTCG	TAGATAT---	ATGCTTGCAA
L.sativus_HM	GAC---TCCT	ACTAAA----	--GATGGTCG	TAGATAT---	ATGCTTGCAA
L.pseudocicera	GAC---TCCT	ACTAAA----	--GATGGTCG	TAGATAC---	AGGCTTACAA
L.chloranthus	-----	-----	-----	-----	ACCCTTATGG
L.pratensis	-----	-----	-----	-----	ACCCTTATGG
L.odoratus_HM	-----	-----	-----	-----	ACCCTTATGG
L.odoratus_kJ	-----	-----	-----	-----	ACCCTTATGG
L.hirsutus	-----	-----	-----	-----	ACCCTTATGG
L.annuus	-----	-----	-----	-----	ACCCTTATGG
L.cirrhosus	TACACCGCCT	AATAAT----	--AATGGTCG	TATATAC---	ACCCTTATGG
L.latifolius	TACACCTCCT	AATAAT----	--AATGGTCG	TATATAC---	ACCCTTATGG
L.tingitanus	GAC---TCCT	GTTAAT----	--ACTCGTCG	TACATAC---	AACCTTATGG
Pisum sativum_H	GAGTTCTATT	AATGCT----	-----AGTCC	TCCACGC---	AACCGTCTAA
Pisum sativum_K	GAGTTCTATT	AATGCT----	-----AGTCC	TCCACGC---	AACCGTCTAA
Pisum sativum_HG	GAGTTCTGTT	AATGCT----	-----AGTCC	TCCACGC---	AACCGTCTAA
Pisum fulvum	GAGTTCTGTT	AATGCT----	-----AGTCC	TCCACGC---	AACCGTCTAA
Vavilovia formosa	GAGTTCTCTT	AATGCT----	-----AGTCC	TCCACGC---	AACGTGCTAA
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	TTATATGAAA	ACCAGA----	-----AAACA	GGGGACC---	TTGCCCTTGA

<i>Trifolium strictum</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>T. glanduliferum</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>T. boissieri</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>T. aureum</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>T.meduseum</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTATACCAAT	GGAAATCGTT
<i>T.subterraneum</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTATACCAAT	GGAAATCGTT
<i>T.pratense</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTATACCAAT	GGAAATCGTC
<i>T.hybridum</i>	AAAAAGCTTG	GGACTTATCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>T.semipilosum</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>T.occidentale</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>T.repens</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>T.lupinaster</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>Cicer oxyodon</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTTCCAAT	GGAAATAGTT
<i>C. chorrassanicum</i>	AAAAAGCTTG	GGACTTGCC	AGATTCTTGA	GTGTTCCAAT	GGAAATAGTC
<i>C. arietinum</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATAGTT
<i>Medicago truncatula_KF</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>M.truncatula_AC</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>M.sativa_K</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGT	GTGTACCAAT	GGAAATCGTT
<i>M.sativa</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGT	GTGTACCAAT	GGAAATCGTT
<i>M.papillosa</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGT	GTGTACCAAT	GGAAATCGTT
<i>M.hybrida</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGT	GTGTACCAAT	GGAAATCGTT
<i>M.falcata</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGT	GTGTACCAAT	GGAAATCGTT
<i>M.sativa_KU</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGT	GTGTACCAAT	GGAAATCGTT
<i>Melilotus albus</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
<i>Hedysarum formosum</i>	AAACAGCTTC	GGACTTGGCT	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>H.varium</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>H.singarense</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>H.minjanense</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>Tavniera glabra</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>T.diffusa</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>Greuteria membranacea</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>Corethroedendron scoparium</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>Eversmannia subspinosa</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>Onobrychis bungei</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>O.cornuta</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>O.michauxii</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>O.subacaulis</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACAATT	GGAAATAATT
<i>O.teheranica</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>Alhagi maurorum</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>Caragana microphylla</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>C.korshinski</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>C.kozlowii</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>C.rosea</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>Tibetia liangshanensis</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>Gueldenstaedtia verna</i>	-----	-----	-----	-----	-----
<i>Halimodendron halodendron</i>	AAACAGCTTC	GGACTTGGCC	GCATTCTTGG	ATGTACCGTC	GGAAATAATT
<i>Smirnowia turkestanica</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCGTT	GGAAATAATT
<i>Eremosparton flaccidum</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ACGTACCGTT	GGAAATAATT
<i>Colutea persica</i>	AAACAGCTTC	GGACTTGTCC	GCATTTTTGG	ATGTACCCTT	GGAAATAATT
<i>C. triphylla</i>	AAACAGCTTC	GGACTTGTCC	GCATTTTTGG	ATGTACCCTT	GGAAATAATT
<i>Sphaerophysa salsula</i>	AAACAACCTTG	GGACTTGTCC	GCATTTTTGG	ATGTACCCTT	TGAAATAATT
<i>Podlechiella vogelii</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>Carmichaelia australis</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	AGAAATAATT
<i>Sutherlandia frutescens</i>	AAACAGCTTC	GGACTTGTCT	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>Astragalus membranaceus</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>A.mongholicus</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>A.nakaianus</i>	AAACAGCTTC	GGACTTGTCC	GCATTTTTGG	ATGTACCCTT	GGAAATAATT
<i>A.macropelmatus</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>A.iranicus</i>	AAACAGCTTC	GGACTTATCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>A.denudatus</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>A.odoratus</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>Oxytropis szovitsii</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>O.iranica</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>O.kotschyana</i>	AAACAGCTTC	GGACTTGTCC	GCATTCTTGG	ATGTACCATT	GGAAATAATT
<i>Erophaca baetica</i>	AAACAGCTTC	GGACTTGTCT	GCATTCTTGG	AAGTACCCTT	GGAAATTTAT
<i>Wisteria floribunda</i>	AAAAAGCCTG	GGACTTGTCC	ATATTCTTGC	GTGTACCAAT	GGAAATATTT
<i>W. sinensis</i>	AAAAAGCCTG	GGACTTGTCC	ATATTCTTGC	GTGTACCAAT	GGAAATATTT
<i>Glycyrrhiza lepidota</i>	AAAAAGCTTG	GGACTTGTCC	ATATTCTTGC	GTGTACCAAT	GGAAAT---T
<i>G.uralensis</i>	AAAAAGCTTG	GGACTTGTCC	ATATTCTTGC	GTGTACCAAT	GGAAAT---T
<i>G.glabra</i>	AAAAAGCTTG	GGACTTGTCC	ATATTCTTGC	GTGTACCAAT	GGAAAT---T
<i>Meristotropis xathioides</i>	AAAAAGCTTG	GGACTTGTCC	ATATTCTTGC	GTGTACCAAT	GGAAAT---T
<i>Robinia pseudoacacia</i>	AAAAAGCTGG	AGAAATGTGT	AGGTTCTTGC	GTGTCCCAAT	TGAAATATTT
<i>Lotus japonicus</i>	AAAAAGCTGG	AGATTTGTCC	AAGTTATTGC	GTGTGCCAAT	TGAAATATTT
<i>Vicia alpestris</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCATGA	GTGTACCAAT	GGAAATCGTT
<i>V.sativa</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCATGA	GTGTACCAAT	GGAAATCGTT
<i>V.peregrina</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCATGA	GTGTACCAAT	GGAAATCGTT
<i>V.sepium</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCATGA	GTGTACCAAT	GGAAATCGTT
<i>V. faba</i>	AAAAAGCTTG	GGACTTGTCC	AGATTCATGA	GTGTACCAAT	GGAAATCGTT

V.canescens	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
V.monantha	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGTAATCGTT
V.tetrasperma	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
V.narbonensis	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
Lens culinaris	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
L.orientalis	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
V.ervilia	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCAAT	GGAAATCGTT
Galega officinalis	AAAAAGCTTG	GGACTTGTCC	AGATTCTTGA	GTGTACCGAT	GGAAATCGTT
Lathyrus palustris_K	AAAAGGGGGC	GGAGTTGTCC	CGATTCTTGA	GTGTACCCTAT	AAAAATTATT
L.palustris_H	AAAAGGGGGT	GGAGTTGTCC	CGATTCTTGA	GTGTACCCTT	AAAAATTATT
L.davidii	AAAAGGGGGA	GAAGTTGTCC	CGATTCTTGA	GTGTACCCTT	TAAAAATTATT
L.japonicus	AAAAGGGGGC	GGAGTTGTCC	CGATTCTTGA	GTGTACCCTT	AAAAATTATT
L.ochroleucus	AAAAGGGGGC	GGAGTTGTCC	CGATTCTTGA	GTGTACCCTT	AAAAATTATT
L.littoralis	AAAAGGGGGC	GGAGTTGTCC	CGATTCTTGA	GTGTACCCTT	AAAAATTATT
L.venosus	AAAAGGGGGC	GGAGTTGTCC	CGATTCTTGA	GTGTACCCTT	AAAAATTATT
L.graminifolius	AAAAGGGGGC	GGAGTTGTCC	CGATTCTTGA	ATGTACCCTT	AAAAATTATT
L.pubescens	AAAAGGGTAC	GAAGTTGTCC	CGATTCTTGA	GTCTACCCTT	CAAGATTGTT
L.sativus_KJ	AACATGGTTT	GGAGTTGTCC	AGATTCTTGA	ATATACCCTT	GGACATTATT
L.sativus_HM	AACATGGTTT	GGAGTTGTCC	AGATTCTTGA	ATATACCCTT	GGACATTATT
L.pseudocicera	AACATGGTTT	GGAGTTGTCC	AAATTCTTGA	ATATACCCTT	GGAAATTAGT
L.chloranthus	AACATGGTGC	TGAATTGTCC	AGATTCTTGA	ATCTACCCTT	CCAAGTCCTT
L.pratensis	AACATGGTGC	TGAATTGTCC	AGATTCTTGA	ATCTACCCTT	CCAAGTCCTT
L.odoratus_HM	AACATGGTGC	TGAATTGTCC	AGATTCTTGA	ATCTACCCTT	CCAAGTCCTT
L.odoratus_kJ	AACATGGTGC	TGAATTGTCC	AGATTCTTGA	ATCTACCCTT	CCAAGTCCTT
L.hirsutus	AACATGGTGC	TGAATTGTCC	AGATTCTTGA	ATCTACCCTT	CCAAGTACTT
L.annuus	AACATGGTGC	TGAATTGTCC	GGATTCTTGA	ATCTATCACT	CCAAGTCCTT
L.cirrhusus	AACATGGTGC	TGAATTGTCC	AGATTCTTGA	ATATACCCTT	CCAAGTCCTT
L.latifolius	AACATGGTGC	TGAATTGTCC	AGATTCTTGA	ATATACCCTT	CCAAGTCCTT
L.tingitanus	AAAAGGGTGT	GGAGTTGTCC	AGATTCTTGA	ATATACCCTT	CGAAATTGTT
Pisum sativum_H	AAAAA-GTGT	GGAGTTGCC	AGATTATTGA	-----	-----
Pisum sativum_K	AAAAA-GTGT	GGAGTTGCC	AGATTATTGA	-----	-----
Pisum sativum_HG	AAAAA-GTGT	GGAGTTGCC	AGATTATTGA	-----	-----
Pisum fulvum	AAAAA-GTGT	GGAGTTGCC	AGATTATTGA	-----	-----
Vavilovia formosa	AAAAAAGTGT	GGAGTTGCC	AGATTATTGA	-----	-----
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	CTCCTGTTAA	GGATAGTCCT	GTATGCAACC	TTAGGCAAAA	TGGTGTGGAG

Trifolium strictum	CCATATTCTT	GA	-----	-----	-----	-----
T. glanduliferum	CCATATTCTT	GA	-----	-----	-----	-----
T. boissieri	CCATATTCTT	GA	-----	-----	-----	-----
T. aureum	CCATATTCTT	GA	-----	-----	-----	-----
T. meduseum	CCGTATTCTT	GA	-----	-----	-----	-----
T. subterraneum	CCGTATTCTT	GA	-----	-----	-----	-----
T. pratense	CCATATTCTT	GA	-----	-----	-----	-----
T. hybridum	CCATATTCTT	GA	-----	-----	-----	-----
T. semipilosum	CCATATTCTT	GA	-----	-----	-----	-----
T. occidentale	CCATATTCTT	GA	-----	-----	-----	-----
T. repens	CCATATTCTT	GA	-----	-----	-----	-----
T. lupinaster	CCATATTCTT	GA	-----	-----	-----	-----
Cicer oxyodon	CCATATTCTT	GA	-----	-----	-----	-----
C. chorrassanicum	CCATATTCTT	GA	-----	-----	-----	-----
C. arietinum	CCGTATTCTT	GA	-----	-----	-----	-----
Medicago truncatula_KF	CCATATTCTT	GA	-----	-----	-----	-----
M. truncatula_AC	CCATATTCTT	GA	-----	-----	-----	-----
M. sativa_K	CCATATTCTT	GA	-----	-----	-----	-----
M. sativa	CCATATTCTT	GA	-----	-----	-----	-----
M. papillosa	CCATATTCTT	GA	-----	-----	-----	-----
M. hybrida	CCATATTCTT	GA	-----	-----	-----	-----
M. falcata	CCATATTCTT	GA	-----	-----	-----	-----
M. sativa_KU	CCATATTCTT	GA	-----	-----	-----	-----
Melilotus albus	CCATATTCTT	GA	-----	-----	-----	-----
Hedysarum formosum	GTATAA	----	-----	-----	-----	-----
H. varium	GTATAA	----	-----	-----	-----	-----
H. singarense	GTATAA	----	-----	-----	-----	-----
H. minjanense	GTATAA	----	-----	-----	-----	-----
Tavniera glabra	GTATAA	----	-----	-----	-----	-----
T. diffusa	GTATAA	----	-----	-----	-----	-----
Greuteria membranacea	GTATAA	----	-----	-----	-----	-----
Corethroedendron scoparium	GTATAA	----	-----	-----	-----	-----
Eversmannia subspinosa	GTATAA	----	-----	-----	-----	-----
Onobrychis bungei	GTATAA	----	-----	-----	-----	-----
O. cornuta	GTATAA	----	-----	-----	-----	-----
O. michauxii	GTATAA	----	-----	-----	-----	-----
O. subacaulis	GTCTAA	----	-----	-----	-----	-----
O. teheranica	GTATAA	----	-----	-----	-----	-----
Alhagi maurorum	GTATAA	----	-----	-----	-----	-----
Caragana microphylla	GTATAA	----	-----	-----	-----	-----
C. korshinski	GTATAA	----	-----	-----	-----	-----
C. kozlowii	GTATAA	----	-----	-----	-----	-----
C. rosea	GTATAA	----	-----	-----	-----	-----
Tibetia liangshanensis	GTATAA	----	-----	-----	-----	-----
Gueldenstaedtia verna	-----	-----	-----	-----	-----	-----
Halimodendron halodendron	GTATAA	----	-----	-----	-----	-----
Smirnowia turkestanica	GTATAA	----	-----	-----	-----	-----
Eremosparton flaccidum	GTATAA	----	-----	-----	-----	-----
Colutea persica	GTATAA	----	-----	-----	-----	-----
C. triphylla	GTATAA	----	-----	-----	-----	-----
Sphaerophysa salsula	GTATAA	----	-----	-----	-----	-----
Podlechiella vogelii	GTATAA	----	-----	-----	-----	-----
Carmichaelia australis	GTATAA	----	-----	-----	-----	-----
Sutherlandia frutescens	GTATAA	----	-----	-----	-----	-----
Astragalus membranaceus	GTATAA	----	-----	-----	-----	-----
A. mongholicus	GTATAA	----	-----	-----	-----	-----
A. nakaianus	GTATAA	----	-----	-----	-----	-----
A. macropelmatus	GTATAA	----	-----	-----	-----	-----
A. iranicus	GTATAA	----	-----	-----	-----	-----
A. denudatus	GTATAA	----	-----	-----	-----	-----
A. odoratus	GTATAA	----	-----	-----	-----	-----
Oxytropis szovitsii	GTATAA	----	-----	-----	-----	-----
O. iranica	GTATAA	----	-----	-----	-----	-----
O. kotschyana	GTATAA	----	-----	-----	-----	-----
Erophaca baetica	GTATAA	----	-----	-----	-----	-----
Wisteria floribunda	TGA	-----	-----	-----	-----	-----
W. sinensis	TGA	-----	-----	-----	-----	-----
Glycyrrhiza lepidota	TGA	-----	-----	-----	-----	-----
G. uralensis	TGA	-----	-----	-----	-----	-----
G. glabra	TGA	-----	-----	-----	-----	-----
Meristotropis xathioides	TGA	-----	-----	-----	-----	-----
Robinia pseudoacacia	TGA	-----	-----	-----	-----	-----
Lotus japonicus	TGA	-----	-----	-----	-----	-----
Vicia alpestris	CCATATTCTT	GA	-----	-----	-----	-----
V. sativa	CCATATTCTT	GA	-----	-----	-----	-----
V. peregrina	CCATATTCTT	GA	-----	-----	-----	-----
V. sepium	CCATATTCTT	GA	-----	-----	-----	-----
V. faba	CCATATTCTT	GA	-----	-----	-----	-----

V.canescens	CCATATTCTT	GA-----	-----	-----	-----
V.monantha	CCATATTCTT	GA-----	-----	-----	-----
V.tetrasperma	CCATATTCTT	GA-----	-----	-----	-----
V.narbonensis	CCATATTCTT	GA-----	-----	-----	-----
Lens culinaris	CCATATTCGT	GA-----	-----	-----	-----
L.orientalis	CCAATTCGT	GA-----	-----	-----	-----
V.ervilia	CCGGATTCTT	GA-----	-----	-----	-----
Galega officinalis	CCATATTCTT	GA-----	-----	-----	-----
Lathyrus palustris_K	CAATTCAATT	C----CAAA	GAATCAAAA-	TAA-----	-----
L.palustris_H	CAATTCAATT	C----CAAA	GAATCAAAA-	TAA-----	-----
L.davidii	CACTTCACTT	CAATTGCAAA	GAATCAAAAA	TAA-----	-----
L.japonicus	CAATTCAATT	C----CAAA	GAATCAAAA-	TAA-----	-----
L.ochroleucus	CAATTCAATT	C----CAAA	GAATCAAAA-	TAA-----	-----
L.littoralis	CAATTCAATT	C----CAAA	GAATCAAAA-	TAA-----	-----
L.venosus	CAATTCAATT	C----CAAA	GAATCAAAA-	TAA-----	-----
L.graminifolius	CAATTCAATT	C----CAAA	GAATCAAAA-	TAA-----	-----
L.pubescens	CAATCGAATT	C----CGAA	GAATCCAAA-	TAG-----	-----
L.sativus_KJ	TACAAAGAAT	A----CTAA	-----	-----	-----
L.sativus_HM	TACAAAGAAT	A----CTAA	-----	-----	-----
L.pseudocicera	TACGAAGAAT	A----CTAA	-----	-----	-----
L.chloranthus	GAAGAGGTTT	A----CTAC	GAAGAATAA-	-----	-----
L.pratensis	GAAGAGGTTT	A----CTAC	GAAGAATAA-	-----	-----
L.odoratus_HM	GAAGAGGTTT	A----CTAC	GAAGAATAA-	-----	-----
L.odoratus_kJ	GAAGAGGTTT	A----CTAC	GAAGAATAA-	-----	-----
L.hirsutus	GAAGAGGTTT	A----CTAC	GAAGAATAA-	-----	-----
L.annuus	GAAGTGGTTT	A----CTAC	GAAGAATAA-	-----	-----
L.cirrhosus	GAAGAGGTTT	A----CTTC	GAGGAAGAGG	AAGAATAA--	-----
L.latifolius	GAAGAGGTTT	A----CTTC	GAGGAAGAGG	AAGAATAA--	-----
L.tingitanus	CAACCGAATT	A----CGAA	TAA-----	-----	-----
Pisum sativum_H	-----	-----	-----	-----	-----
Pisum sativum_K	-----	-----	-----	-----	-----
Pisum sativum_HG	-----	-----	-----	-----	-----
Pisum fulvum	-----	-----	-----	-----	-----
Vavilovia formosa	-----	-----	-----	-----	-----
L.clymenum	-----	-----	-----	-----	-----
L.ochrus	TTGTCCAGAT	TCTTGAGTGT	ACGATTAATA	ATTGTTGAAC	CCGAATTACG

Trifolium strictum	-----	-----	-----
T. glanduliferum	-----	-----	-----
T. boissieri	-----	-----	-----
T. aureum	-----	-----	-----
T. meduseum	-----	-----	-----
T. subterraneum	-----	-----	-----
T. pratense	-----	-----	-----
T. hybridum	-----	-----	-----
T. semipilosum	-----	-----	-----
T. occidentale	-----	-----	-----
T. repens	-----	-----	-----
T. lupinaster	-----	-----	-----
Cicer oxyodon	-----	-----	-----
C. chorrassanicum	-----	-----	-----
C. arietinum	-----	-----	-----
Medicago truncatula_KF	-----	-----	-----
M. truncatula_AC	-----	-----	-----
M. sativa_K	-----	-----	-----
M. sativa	-----	-----	-----
M. papillosa	-----	-----	-----
M. hybrida	-----	-----	-----
M. falcata	-----	-----	-----
M. sativa_KU	-----	-----	-----
Melilotus albus	-----	-----	-----
Hedysarum formosum	-----	-----	-----
H. varium	-----	-----	-----
H. singarense	-----	-----	-----
H. minjanense	-----	-----	-----
Tavrneria glabra	-----	-----	-----
T. diffusa	-----	-----	-----
Greuteria membranacea	-----	-----	-----
Corethroedendron scoparium	-----	-----	-----
Eversmannia subspinosa	-----	-----	-----
Onobrychis bungei	-----	-----	-----
O. cornuta	-----	-----	-----
O. michauxii	-----	-----	-----
O. subacaulis	-----	-----	-----
O. teheranica	-----	-----	-----
Alhagi maurorum	-----	-----	-----
Caragana microphylla	-----	-----	-----
C. korshinski	-----	-----	-----
C. kozlowii	-----	-----	-----
C. rosea	-----	-----	-----
Tibetia liangshanensis	-----	-----	-----
Gueldenstaedtia verna	-----	-----	-----
Halimodendron halodendron	-----	-----	-----
Smirnowia turkestanica	-----	-----	-----
Eremosparton flaccidum	-----	-----	-----
Colutea persica	-----	-----	-----
C. triphylla	-----	-----	-----
Sphaerophysa salsula	-----	-----	-----
Podlechiella vogelii	-----	-----	-----
Carmichaelia australis	-----	-----	-----
Sutherlandia frutescens	-----	-----	-----
Astragalus membranaceus	-----	-----	-----
A. mongholicus	-----	-----	-----
A. nakaianus	-----	-----	-----
A. macropelmatus	-----	-----	-----
A. iranicus	-----	-----	-----
A. denudatus	-----	-----	-----
A. odoratus	-----	-----	-----
Oxytropis szovitsii	-----	-----	-----
O. iranica	-----	-----	-----
O. kotschyana	-----	-----	-----
Erophaca baetica	-----	-----	-----
Wisteria floribunda	-----	-----	-----
W. sinensis	-----	-----	-----
Glycyrrhiza lepidota	-----	-----	-----
G. uralensis	-----	-----	-----
G. glabra	-----	-----	-----
Meristotropis xanthioides	-----	-----	-----
Robinia pseudoacacia	-----	-----	-----
Lotus japonicus	-----	-----	-----
Vicia alpestris	-----	-----	-----
V. sativa	-----	-----	-----
V. peregrina	-----	-----	-----
V. sepium	-----	-----	-----
V. faba	-----	-----	-----

V.canescens	-----	-----	-----
V.monantha	-----	-----	-----
V.tetrasperma	-----	-----	-----
V.narbonensis	-----	-----	-----
Lens culinaris	-----	-----	-----
L.orientalis	-----	-----	-----
V.ervilia	-----	-----	-----
Galega officinalis	-----	-----	-----
Lathyrus palustris_K	-----	-----	-----
L.palustris_H	-----	-----	-----
L.davidii	-----	-----	-----
L.japonicus	-----	-----	-----
L.ochroleucus	-----	-----	-----
L.littoralis	-----	-----	-----
L.venosus	-----	-----	-----
L.graminifolius	-----	-----	-----
L.pubescens	-----	-----	-----
L.sativus_KJ	-----	-----	-----
L.sativus_HM	-----	-----	-----
L.pseudocicera	-----	-----	-----
L.chloranthus	-----	-----	-----
L.pratensis	-----	-----	-----
L.odoratus_HM	-----	-----	-----
L.odoratus_kJ	-----	-----	-----
L.hirsutus	-----	-----	-----
L.annuus	-----	-----	-----
L.cirrhosus	-----	-----	-----
L.latifolius	-----	-----	-----
L.tingitanus	-----	-----	-----
Pisum sativum_H	-----	-----	-----
Pisum sativum_K	-----	-----	-----
Pisum sativum_HG	-----	-----	-----
Pisum fulvum	-----	-----	-----
Vavilovia formosa	-----	-----	-----
L.clymenum	-----	-----	-----
L.ochrus	ACAAATCAAA	AAAGCGAGAA	TAGCATAG