

Supplementary data

Table S1. List of 64 *Argyresthia conjugella* individuals used in the study. F = female and M = Male.

Accession nr.	Country	County	Municipalitet	Latitude	Longitude	Gender
15AC012	Norway	Akershus	Fagerstrand	59° 748'N	10° 587'E	F
15AC064	Norway	Akershus	Fagerstrand	59° 748'N	10° 587'E	M
15AC065	Norway	Akershus	Fagerstrand	59° 748'N	10° 587'E	M
15AC066	Norway	Akershus	Fagerstrand	59° 748'N	10° 587'E	M
15AC067	Norway	Akershus	Fagerstrand	59° 748'N	10° 587'E	F
15AC068	Norway	Akershus	Fagerstrand	59° 748'N	10° 587'E	F
15AC069	Norway	Akershus	Fagerstrand	59° 748'N	10° 587'E	F
15AC013	Norway	Aust-Agder	Longerak	58° 754'N	7° 846'E	M
15AC001	Norway	Hordaland	Åsen	60° 564'N	6° 930'E	F
15AC002	Norway	Hordaland	Torpe	60° 386'N	6° 221'E	M
15AC004	Norway	Hordaland	Djønno	60° 466'N	6° 750'E	M
15AC005	Norway	Hordaland	Alsåker	60° 389'N	6° 504'E	F
15AC006	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	M
15AC054	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	M
15AC055	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	M
15AC056	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	M
15AC057	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	M
15AC058	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	F
15AC059	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	F
15AC061	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	F
15AC062	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	F
15AC063	Norway	Hordaland	Sekse	60° 246'N	6° 624'E	F
15AC007	Norway	Hordaland	Store Linga	60° 260'N	6.080'E	M
15AC011	Norway	Hordaland	Jaastad	60° 347'N	6.624'E	F
15AC008	Norway	Sogn og Fjordane	Leikanger	61° 188'N	6.803'E	M

15AC009	Norway	Sogn og Fjordane	Stårheim	61° 9'23"N	5.776'E	F
15AC010	Norway	Sogn og Fjordane	Sogndal	61° 2'35"N	7.116'E	M
15AC003	Norway	Sogn og Fjordane	Slinde	61° 1'62"N	6° 9'86'E	F
15AC014	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC021	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC022	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC023	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC024	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC025	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC026	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC027	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC028	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC030	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC031	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC033	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC034	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC035	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC036	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC037	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC038	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC039	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC040	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC041	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC042	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC043	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC044	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC045	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	F
15AC046	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M
15AC047	Norway	Telemark	Haukvik	59° 3'81"N	9° 2'68'E	M

15AC048	Norway	Telemark	Haukvik	59° 381'N	9° 268'E	M
15AC049	Norway	Telemark	Haukvik	59° 381'N	9° 268'E	M
15AC050	Norway	Telemark	Haukvik	59° 381'N	9° 268'E	F
15AC051	Norway	Telemark	Haukvik	59° 381'N	9° 268'E	F
15AC052	Norway	Telemark	Haukvik	59° 381'N	9° 268'E	M
15AC015	Sweden	Skåne	Stenshovud (Simrishamn)	55° 656'N	14° 267'E	M
15AC016	Sweden	Skåne	Källagården (Brösarp)	55° 721'N	14° 103'E	F
15AC018	Sweden	Skåne	Svinaberga (Kivik)	55° 673'N	14° 240'E	M
15AC019	Sweden	Åland	Saltvik (Åland)	60° 274'N	20° 064'E	F
15AC020	Sweden	Åland	Finström (Åland)	60° 256'N	19° 902'E	M

Table S 2. Allele frequencies for the 19 STR markers. Frequencies were based on 64 *Argyesthia conjugella* individuals collected in Norway and Sweden in 2015.

Alleles frequency	Argcon891	Argcon3606	Argcon3484	Argcon886	Argcon3887	Argcon20889	Argcon1863	Argcon384	Argcon5649	Argcon4899	Argcon14321	Argcon17958	Argcon8461	Argcon1615	Argcon8345	Argcon1452	Argcon373	Argcon1132	Argcon3813
Allele1	0,0079	0,5385	0,0547	0,0391	0,0089	0,0391	0,0182	0,0081	0,1875	0,0089	0,0156	0,0077	0,0093	0,1053	0,0081	0,0417	0,0081	0,0081	0,1532
Allele2	0,0238	0,1000	0,0547	0,0391	0,0089	0,5625	0,0364	0,0242	0,0547	0,1964	0,1250	0,4538	0,1944	0,0351	0,0323	0,0972	0,0403	0,0968	0,1048
Allele3	0,0079	0,0077	0,3906	0,0078	0,0714	0,1250	0,0636	0,4597	0,0859	0,2321	0,1094	0,0615	0,0093	0,0614	0,2177	0,0556	0,1129	0,5242	0,6452
Allele4	0,1032	0,3000	0,0156	0,6875	0,0089	0,1719	0,0182	0,1371	0,3438	0,2411	0,3906	0,0077	0,0093	0,1316	0,2339	0,1250	0,1452	0,0323	0,0484
Allele5	0,6032	0,0231	0,1562	0,2188	0,0089	0,0547	0,0455	0,0726	0,1094	0,0625	0,0625	0,0692	0,0185	0,2193	0,1774	0,0556	0,0887	0,1532	0,0161
Allele6	0,0238	0,0231	0,0234	0,0078	0,1071	0,0234	0,7091	0,0161	0,1328	0,0536	0,2734	0,1154	0,0278	0,0088	0,0161	0,1667	0,0726	0,1210	0,0081
Allele7	0,1111	0,0077	0,1875		0,0625	0,0156	0,1091	0,0161	0,0234	0,0179	0,0156	0,0462	0,0278	0,1140	0,0081	0,0694	0,0726	0,0081	0,0161
Allele8	0,1032		0,0312		0,0446	0,0078		0,0726	0,0391	0,0179	0,0078	0,0615	0,1019	0,0175	0,0726	0,0417	0,0242	0,0081	0,0081
Allele9	0,0079		0,0547		0,0179			0,0565	0,0078	0,0268		0,0538	0,0278	0,0526	0,0565	0,0139	0,0565	0,0081	
Allele10	0,0079		0,0234		0,0446			0,0242	0,0078	0,0179		0,0077	0,1111	0,0088	0,0242	0,0972	0,0726	0,0081	
Allele11			0,0078		0,0268			0,0161	0,0078	0,0089		0,0077	0,0185	0,1053	0,0081	0,0278	0,0484	0,0323	
Allele12					0,0625			0,0323		0,0179		0,0462	0,1389	0,1053	0,0161	0,0972	0,0403		
Allele13					0,0268			0,0323		0,0179		0,0154	0,0093	0,0263	0,0565	0,0417	0,0403		
Allele14					0,0446			0,0081		0,0089		0,0231	0,0185	0,0088	0,0242	0,0278	0,0403		
Allele15					0,1161			0,0161		0,0268		0,0077	0,0185		0,0161	0,0139	0,0242		
Allele16					0,0625			0,0081		0,0089		0,0077	0,0093		0,0081	0,0278	0,0081		
Allele17					0,0357					0,0089		0,0077	0,0185		0,0081		0,0161		
Allele18					0,0446					0,0089			0,0185		0,0161		0,0323		
Allele19					0,0536					0,0089			0,1111				0,0323		
Allele20					0,0357					0,0089			0,0185				0,0161		
Allele21					0,0446								0,0185				0,0081		
Allele22					0,0179								0,0093						
Allele23					0,0089								0,0093						
Allele24					0,0089								0,0463						
Allele25					0,0089														
Allele26					0,0179														

Table S 3. DNA sequence analysis.

Locus	SSR primer sequences 5' – 3'	Sequence and STR Markers for <i>Argyresthia conjugella</i> based on genomic DNA sequence analyzed on an Illumina MiSeq platform. Primer positions(blue) STR repeat motif (red)
Argcon_373	F:AGTACCTCGTCGATACGCAC R:AGGGGTGTCAGGATGTGATG	ATGACCTTTTCGACCGCCTGTTTTCTAAAAATCCAAGAAATAT TTTCAAATTATACCAAGTTTGGACATAAATTGGTTCACAGTT GGTTGGCGAACAGGGGTCGCGAGGTCTACTGCGCACAGG GCCACTAGTCTTTACAATTCACTTTTATTATGAAAATGTTTCAT TAAACCCGCAGGGCCAGTGAACAAGAGCATCCCATCCATC GTGCGTATACGCACATCCTCCGAGTCGCAGAACCTTGTCTR CGCCGAGCAAGAGACAGACGAGCTGATCGCCATGCTCCGG GAGACTGAGAGCTTGGACGAGCAGGGAGACATACTGCAGT ACCTCGTCGATACGCACGGCCTGGAGTTCATTCTGGTGAG ATTGTTTGTTTGTTTGTTTGTTTGTTTGTTTGTTTGTTTG TTTGTTTGTTTGTTTGTTTGTTTGTTTGTTTGTTTGTTTG TTTTATAAGGTGTTTATCATCATCATCACATCCTGACACCCC TCAGCAGGGGTATAGGGCTCTCAGTACAGATTTCCATTTGT TCCGATCTTGGGCCATCTGCTCYAGCTCCGCCCAATCTGAG YTCACAATGGCRGCCTCCTTCTCCGTTGAACGTGCCACGT TGTTTTGGGGCGACCTTTCTCCGTTTCCCTTCTGGACACC ATTTGAGGGCTACTTTTGATAGATGTTTCATCGGGTCTCCTCA TTACGTGGCCAAGCCAACGCAACTTTCTGGTGATCACCTCC TCCTCCAACGGCTTCTGATTCTGAAGTCTCTACAATTCCACG TTCGTAATCGTTTTTTGGCCAGAAAATTCTCAGTATCTGTCT CAAGCATTTGTT
Argcon_384	F: CATGTCTCCTCTTTGCAGCG R: GTAAGGGAGTGTCGTGTTGC	ACACATCTCGTCATATACGACTATGAAAAGCGACATGCCTC TATTCAAGGCACTTGCATGCTAATGACAGACTCTAGCGTTTA AAGACACAACAAGCATAACGAGAACAACATGCATCTCATA AGCACATAGTAAGAGAGCAAAGTGTGCTCACTGCTCACTGA ACAATTCAAGCGGTTGCGGATCTATGTGCTAACAAATACATA TAGTTCCTGTTTTTGCGGAGTGATCTGGCTTTATATCAGTAG CCTGTTTCATGTGGTACAGCTGTCCCGTGACGTCAATGTCT CCTCTTTGCAGCGCAGATCCCGGCTGCAGATAGCGGTGTTT CTCGCGATGTCTCTCCGATGCCGCCGTCTCCCCAACAAAC AAACAAACAAACAAACAAACAAACAAACAAACAAACCGCAAC AAGCAACACGACACTCCCTTACTCACTGCAACATTCAAGAT GCCTCATCCGTTTCTCCGCAACAGAGTTGCTTCTAGCAAG ATTGAAGATAGCCTCACCGCGTCTAGRTGTGAGTTAGTGTA CTCGACTCCGATCTTTTTATTATTACCTATTGATTTTTGTTTC GTTTCG
Argcon_886	F: ACCCGACCTGAACATATCCG R: CCATCGTTGGCACTTACGAG	ATATTCGGTATTCGGCCGAATCGTAGAAAGTATTCGGCCGA ATACCGAATAGTTGCCGAATATTTGTTGCATCTCTATTATGC

		GTTTGTGGTTGTGGTTGTGGTTGTGGTTGTGGTTGTGGTTATG GCTGAATTTTATATGTCTGCGGACGAAATAATGTTGCAAGTT CTTTTAACTCCATTATAATATAATAACAAAGCT
Argcon_1863	F: CGCCCCGGATTCTCAACTAC R: TCACCCCTCTCTGTATTCGTC	GATATAGGGAACATCGCCCTACTAGTTTAGTTTCGCATATC TATACAAACTATTCACTCGTACCGACTTATCCTAATTGCCCT GAAACTGTATTTCAGTACAATTAGTTTCCCATCAACCCCCAG AACAGGCTGGTTTCGCCCCGGATTCTCAACTACAGACCAA CTACACACATTTAACCGGATAATAGAGAAGTATACTGAGTTC AACAAGCCTCTCTTCTCTACTGAGGGTTTGTGACTACTCAA AAGTTTTGACAGTATCACTCACTCATCAATCTTTACCGCAC TTCACAATCAAAATATAGATCCCACATACATACATACATACA TACATACATTTATATAATGATATGAGAGAGACGAATACAGAG AGGGGTGAACAGGAAGACCCYCTATCTCCATAACTATTTA CATGTAATGAAGAAGTTTTTAAAACTTGGCGGTCCCGTGG CACAGCAGAGGAATAATTGTCGTGCGGATAAAAGGTTGCA TAACCTCGCTTTGCCGATGACATTGTTCTATTGCGGCCATCC TCGTCAGAACTCAGAGAGTACATCTACTAAACAGAGAGTA CATCTACTTGGGCCAGACAGTTTCCTTCGAGAAC
Argcon_2891	F: AGAACTGGGCCTCACGATAC R: GTTATCGGCATTCCACAAGGG	ATAGTACTATCGCTATGTAAGTTCGTAAGTTAAACATAAAT TGTAATTCCTATGTCAAGAACTGGGCCTCACGATACAGGTC TAACCTAGTGTGAGGGCCGCMGGTAATCAATATTACTCCTT AGAAAATACGAACCTAATTAATAAGTGAATTTGTATWTTATT TTGCTAAATAAACGATTATCTATCTTATCTATCTATCTATCTA TCTATCTATCTTATTAGCTGGTATTTTAGTATAATTTCTAAGC CTCTGCTGCCGTTTGATCAAAGTTCAGATAACAAACCTTGT GGAATGCCGATAACTTCTCAAAGGATTCCATGAAACCTAATT ATTTAGTAGCATTAAATTGATAATACTCTAATCGTGTTTTAGA AACGAAATTAACCTAAGCCGAGCTTAGAACCCGTTGATCAA TTCTGTTGAGCCAATCGAAGTGTATGATCAAAGACTCGTGG TCTGGCGTGGGGGGTTATGAATTAACATTCATAAAATACA
Argcon_3484	F: GGGCAGCTGTTTCCCAATTCC R: CTCCTCGTGCATTTTGGG	CAACTCCCACGAGAGAAGCAAGCATGAAACCCACCAGACC ACAAAACCTCTTTTAAGCATTTTTTTATTTTACAAGTATATTTAT CTGCCGTCTAAACGCACTTCCCAGGACGCTGTTTCCCAATT CGCAACTCTAAACGCTGCCTTCGATATAAATTTTCTCCTCCA AAAGAACCAAGTTTGTTAGTTGTTTGATAAAGTTCGGAATTA ACATCAAGTCGAAAAGTCTTGAGCGGTCAAGTGCAGGAGAG ATGAACGGCTCCCGAAAATTTAACTCGGTGTTGTGGTTGTGG GTTGTGGTTGTGGTTGTGGTTGTGGCGGATAATACAGTAAACT AACCCAAAAATGCACGAGGAGGCCTACACTCAGCAGTGGG CTCCCTGACTAGCTGACGATGAAGATGATAAACCCAAAAAT GGGCAAGCTGCGGAACATAAT

		CAAATACCGTAACATATTTAATAAAAAGTTTTGTGCTTAGTAA CT TGGTTAGCAAGACCTATATTATTATCTCGCTCGCTTGC
Argcon_5649	F: AGCCCTACGACTCCATCAAC R: GCTAAACTATCCGTCGGCAC	ATGGCGGGCCGGCCTCTACCCGCCCCGGCTACCCGCGCCAG CCCTACGACTCCATCAACAGACCCTCTGGCTCTAAACAA CAAACAAACAAACAAACAAACAGCAAGCAAGCAAAGCTGCT AAATTACTTTACTACTACAACAACAGTGCCGACGGATAGTTT AGCTCTACCGCCCCCTCTGACCACGCGCCTTCAATGTCTATA ATAGTAAATCAGATTATTCTACATAGATRAATAACCATGGT ATTAATTTATTATATTGTTTGTAGATTAAAAATAGCCCTTTGT GAATTAATA
Argcon_8345	F: GCTCAAACGGTTGTCCCTAC R: GTATGCTACGGTTACAGGGC	CTCAATATGAATCCGATTTGATCAGAGCAACTTAATTGATCA CTTCTTCATACAAATCAGCTTATCATACAGTCTTATAAGTATA AATATTGGATTTTAGACTGAATGGGTCAGCTGATTTGTATGG AGAAGTGAACAATTAAGTTGCTCTGATCAAATAGGTTTCACG GTGAAAGTTGCTCAAACGGTTGTCCCTACAACCCCTAGATA CCTAGGGGTACGTAGTAAACAATTTCTTTTTTATATTGTTTCA CATAGGTGTTTTTTTCGATTTTGTGTATGTAGTAATAAACG CAATTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTAGGGGT TTTAGTTTCACCTTGATTTTTCTGTAGAATCGGCCCTGTAA CCGTAGCATACTGATGCAGTCCAATACAATCTCGACCACCA CTATATTTTTTAACCCCGCCCGACGAAGAAATAAGGGGTG TTATAAGTTTAAAGTGTGAGTCACTCTGTCTCAGCACGAAGA GAGTAAACGGGTGAACCGATTTGAATGTTATTTTTTTATTCTG AAAATAGATTTCTTGAGCTGGTTGCYATGGTACCATCGAG CTGGTCTAATGATGAAGTTCAAAGGCGGGAGCGGGAACCC TATTAGTATACCTGTCGAATTTGGGCTCATTAGGTTTCGTTGT GACAAGACCTTTA
Argcon_8461	F: ACTTTACTGGCCTAGGTGCG R: CCAGGTGAAACATCGTGAGG	GCTTTTCTGTCCCTCCGGCCAGAAAGCGTCACTTTTCTGGC CGCTGCGCTAGATAAAGTTGCCGTTTTTTGGCTCCGTCGAA CAGAAATTTGTATATGACCTCGGCCAGTAAATAAGAAAGCC TCAGATCATATGTTCTGTCGACCTCGGCTTCGCCGCCAATAA TTACATGTGATCTGAGACTTTTCTTACTTTACTGGCCTAGGT GCGTAATGTACTATTTATGTTTTAGTTTGCGGAAAATGAACG TTTCTTCTTTCTTTCTTTCTTTCTTTATTTCTTTCTTTCTTTCTTT TCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTT CACTTTCAGTCAGCCATCGCCGACGCTATGGAGTAATGAAG GTTTCCCTCAGATGTTTCACCTGGTTATACGACTAACGATTC GCCGAGACTCGAAGGGCAAGAGCAAGGCTCGGCCATCGAT CACGGCATCGGGGTCACGAGTTTTTCGAGTATTCGTGAAC GAGCTAAAGTAGGAGAGGCGGCGGGAATGCATGCGTGTG TAAGCTACTATAAAAAATT
Argcon_14321	F: TGTTTTGTTCATCTGTATTACTTGTG R: ACAGGGGGACAATCCAATCTAC	ATACTTATGTTTTGTTCATCTGTATTACTTGTCTATTTGTGT GTATTCCTACAGTTAATAAACGGATTATCTATCTATCTATCTA

		TCTATCTATCTATCTAATATGAAAATGCGGGTATGGGTAATA TTGTATAGTGTTTCGTTACTACTCCGTCTAATCTTCCTTAAAC ATTGGGTTTTTGAATGTTGTTCTAGCTTCTTTGTAGATTGGA TTGTCCCCCTGTAGAGAAGAAAAATACAAATGTAAGTAAGTA AGTAAGTAAGTTTATTTTCAGTAAGCACATAATATTACAATTT GTGGGTAGTGTCCCATACTAGAAAAATC
Argcon_17958	F: GCTCAGTGTATCAGGTACGAG R: CGCTGTTCTACATGGAGCTG	GGACACAACGTGGTGCGTCCCATTCGGTATGGCAAAAAGT GTGATGTAGGTATCTTTGGTGTTGTTTCTGTGTAAGATAAGA AGCTCAGTGTATCAGGTACGAGTAGGTTTGTGTTTGTGTTG TTGTTTGTGTTGTTGTTGTTGAGTAGTGATAAGTGTGCTTGCT AACCCTTGAGCGCTGGACAGATGCGCTTCCAGAGCGTGAG GCAGCCGCAGCGGTGGAAGTGGCCAGCGCCAGCTCCAT GTAGAACAGCGGCAGCCCGCCGAACAGCAGCATGATGCAG TACGGGATCAGGAACGCGCTGCCATCCACCCACCACCAC ATTACCGGGACACGGAAAACACAACACAACACACAGACACG CGGTGATGCTACATGCACAAAAGATTCCGTGGAGAAAACCT ACTTACAATATTAATATAAGTGTA
Argcon_20889	F: TGTGTCTAGTTTCTTGTATTGTGTC R: TAGTGTGGGCTAAGGGATGC	TGTGTCTAGTTTCTTGTATTGTGCTTTTGTGAATGTTAGGTT TACTGTCCTTTATAATAAATGTTTCTTTCTTTCTTTCTTT CTTTCTTTCTTTCTTTCTTTCTTTCTTGCATCCCTAGCCAC ACTATGAAGATGATTGGTCAATAAAAAAATTGAACTCTGAA CTCTTAATTCTGCCTTAGACCCATTCAATAACCGATAAAACA TTACACTATAGCAAACCTTTCCTTTCCTCGGGGAACACCCCT CTACTCTCCCCATTTAGATATTATTTGCAATATCGTATGTA GAGTAGTCTTTAGTTTATAGTATCGGAGTACAAGTGAAGCC ATCTTCAAGGTTTTGACGTCTACTCCCTCCGATACTCCTAGC GATATTATGTCTAAAAATGGGATGCAGGGCTATCTAAAGTAT ATGTGAGGTAGTAAGTCGTAGTAAA

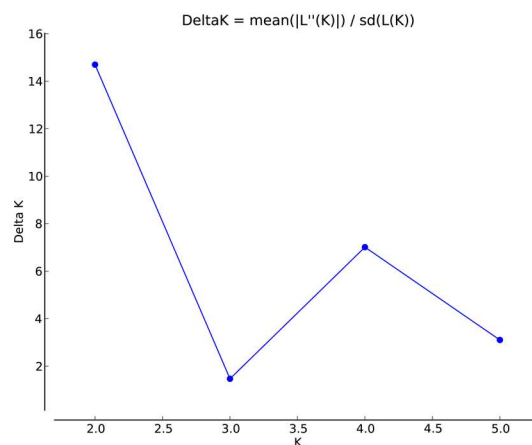


Figure S1. DeltaK for samples from 64 individuals indicating the number of clusters in the program Structure. DeltaK= $\text{mean} (L''(K)I)/s(L(K))$.