

Inheritance of glabrous plants in *Helianthemum oelandicum* var. *oelandicum* and spatial patterns of allele frequencies in local populations. Plant Systematic and Evolution. Björn Widén. Department of Biology, Lund University, Lund, Sweden bjorn.widen@biol.lu.se

Online Resource 1. Number of plants with different hair_(brl) scores in crosses between plants of *Helianthemum oelandicum* var. *oelandicum*.

A. Number of plants in crosses between glabrous plants (cross type 1). () = population involved in the cross.

Hair _(brl) score	Cross 49 (27)		Cross 119 (27)	
	F1	F2	F1	F2
0	15	53	16	-
0.5	0	0	0	-
1	0	0	0	-
1.5	0	0	0	-
2	0	0	0	-
2.5	0	0	0	-
3	0	0	0	-
Sum	15	53	16	-

Hair _(brl) score	Cross 76 (36)		Cross 87 (36)		Cross 103 (36)	
	F1	F2	F1	F2	F1	F2
0	15	14	76	66	55	46
0.5	0	0	0	0	0	0
1	0	0	0	0	0	0
1.5	0	0	0	0	0	0
2	0	0	0	0	0	0
2.5	0	0	0	0	0	0
3	0	0	0	0	0	0
Sum	15	14	76	66	55	46

Hair _(brl) score	Cross 66 (27 x 113)		Cross 72 (27 x 36)		Cross 108 (27 x 36)		Cross 118 (27 x 36)	
	F1	F2	F1	F2	F1	F2	F1	F2
0	23	51	77	47	28	26	38	54
0.5	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0
1.5	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
Sum	23	51	77	47	28	26	38	55

B. Number of plants in crosses between bristled plants (cross type 2). () = population involved in the cross. The difference in distribution of hair scores for F1 and F2 in each cross was tested with Mann-Whitney U-test

Hair _(brl) score	Cross 30 (36)		Cross 32 (36)		Cross 84 (36)	
	F1	F2	F1	F2	F1	F2
0	0	0	0	0	1	4
0.5	1	1	0	1	2	2
1	2	16	2	18	14	5
1.5	6	2	10	14	3	1
2	0	2	3	3	0	0
2.5	0	0	0	0	0	0
3	0	0	0	0	0	0
Sum	9	21	15	36	20	12
Mann Whitney U-test	62.5		156.5		64.5	
<i>p</i>	0.150		0.01		0.549	

Hair _(brl) score	Cross 104 (36)		Cross 105 (95)		Cross 106 (95)	
	F1	F1	F1	F2	F1	F2
0	1	6	0	-	0	0
0.5	14	15	4	-	1	5
1	52	9	16	-	15	20
1.5	31	12	2	-	11	18
2	0	4	0	-	0	1
2.5	0	0	0	-	0	0
3	0	0	0	-	0	0
Sum	98	46	22	-	27	44
Mann Whitney U-test	1874.0				586.5	
<i>p</i>	0.084				0.921	

C. Number of plants in crosses between glabrous plants and bristled plants (cross type 3). () = population involved in the cross. The difference in distribution of hair scores for F1 and F2 in each cross was tested with Mann-Whitney U-test

Hair _(brl) score	Cross 36 (27 x 36)		Cross 64 (27 x 36)		Cross 65 (27 x 36)		Cross 67 (27 x 113)	
	F1	F2	F1	F2	F1	F2	F1	F2
0	6	13	22	29	37	116	23	139
0.5	0	5	5	0	0	1	0	8
1	6	39	10	38	10	24	10	53
1.5	4	32	6	24	10	23	9	56
2	0	7	0	3	17	17	3	23
2.5	0	0	0	1	0	0	0	0
3	0	0	0	0	0	0	0	0
Sum	16	96	43	95	74	181	45	279
Mann-Whitney U-test <i>p</i>	980.0 0.063		2181.0 0.503		5652.0 0.026		6367.0 0.868	

Hair _(brl) score	Cross 73 (27 x 36)		Cross 83 (27 x 36)		Cross 92 (26 x 27)	
	F1	F2	F1	F2	F1	F2
0	0	11	0	10	19	104
0.5	5	1	2	4	1	1
1	40	16	31	24	12	19
1.5	3	18	30	15	5	42
2	0	2	2	4	7	26
2.5	0	0	0	0	0	1
3	0	0	0	0	0	0
Sum	48	48	65	57	44	193
Mann-Whitney U-test <i>p</i>	1337.0 0.127		4047.5 0.599		1400.0 0.012	

Hair _(brl) score	Cross 68 (113)		Cross 77 (36)		Cross 85 (36)		Cross 86 (36)	
	F1	F2	F1	F2	F1	F2	F1	F2
0	13	-	25	14	0	44	46	69
0.5	0	-	15	4	5	16	9	3
1	0	-	5	27	27	63	22	32
1.5	3	-	0	4	5	8	19	34
2	2	-	0	0	0	0	0	1
2.5	4	-	0	0	0	0	0	0
3	1	-	0	0	0	0	0	0
Sum	23	-	45	49	37	131	96	139
Mann-Whitney U-test <i>p</i>			301.0 0.707		1481.5 0.000		6887.5 0.650	

Hair _(brl) score	Cross 107 (36)		Cross 109 (36)	
	F1	F2	F1	F2
0	0	7	0	1
0.5	13	10	3	5
1	37	17	43	26
1.5	0	1	2	2
2	0	0	0	0
2.5	0	0	0	0
3	0	0	0	0
Sum	50	35	48	34
Mann-Whitney U-test <i>p</i>	650.5 0.018		738.5 0.251	