

APPENDIX II. Number of common bulls

BSW

common bulls below diagonal  
 common three quarter sib group above diagonal

CAN CHE DEA ITA NLD SVN

CAN	0	79	84	71	29	13
CHE	65	0	436	287	44	28
DEA	76	361	0	445	64	44
ITA	62	227	356	0	59	42
NLD	23	40	56	44	0	18
SVN	11	27	40	41	15	0

HOL

common bulls below diagonal  
 common three quarter sib group above diagonal

CAN CHE DEU DFS FRA NLD AUS GBR SVN

CAN	0	368	1515	842	980	847	771	1045	86
CHE	250	0	398	282	274	300	229	304	40
DEU	596	270	0	1692	1554	1758	840	1242	135
DFS	470	220	592	0	1143	1197	705	969	116
FRA	452	228	443	350	0	1279	759	1077	82
NLD	640	271	915	712	516	0	822	1116	121
AUS	592	172	382	306	354	558	0	769	73
GBR	973	280	628	535	490	790	501	0	103
SVN	66	30	113	96	54	103	48	81	0

HOL

common bulls below diagonal  
 common three quarter sib group above diagonal

CAN CHE DEU DFS FRA NLD AUS GBR

CAN	0	363	1225	749	847	771	738	1009
CHE	248	0	350	266	270	285	229	304
DEU	421	217	0	1349	1247	1436	726	1069
DFS	386	204	424	0	1039	1050	670	912
FRA	443	228	357	322	0	1158	706	1022
NLD	568	259	655	527	457	0	798	1066
AUS	569	172	295	260	352	534	0	766
GBR	945	281	483	460	486	735	499	0

JER

common bulls below diagonal  
 common three quarter sib group above diagonal

CAN DFS NLD AUS

CAN	0	52	8	123
DFS	37	0	9	66
NLD	6	6	0	13
AUS	124	40	13	0

RDC

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common bulls below diagonal  
common three quarter sib group above diagonal  
CAN DEU DFS NOR AUS

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CAN 0 7 72 4 31  
DEU 7 0 36 8 15  
DFS 68 25 0 70 81  
NOR 4 7 55 0 33  
AUS 28 13 61 28 0  
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RDC

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common bulls below diagonal  
common three quarter sib group above diagonal  
CAN DEU DFS NOR AUS

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CAN 0 3 73 4 31  
DEU 3 0 17 6 10  
DFS 68 11 0 75 84  
NOR 4 5 60 0 32  
AUS 28 9 63 27 0  
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