Table S2: *Merluccius capensis* and *M. paradoxus* individuals identified as hybrids based on nine microsatellite loci (I), eight microsatellite loci (II) and six microsatellite loci (III): C – *M. capensis*, P – *M paradoxus*, F2 – second generation hybrid, BcP – backcross with *M. paradoxus*. Individuals labelled as per Figure 1.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Structure | | | | |  | NewHybrids | | |
| Individual | I | | II | | III | |  |  |  |
|  | q=0.1 | q=0.2 | q=0.1 | q=0.2 | q=0.1 | q=0.2 | I | II | III |
| 12\_C4aS\_1 |  |  | x |  |  |  | C |  |  |
| 12\_C4aS\_4 | x |  | x |  |  |  | F2 | F2 |  |
| 12\_C4aS\_7 |  |  |  |  | x |  | C |  |  |
| 12\_C4aS\_9 |  |  | x |  |  |  | C |  |  |
| 12\_C4aS\_10 | x | x | x | x | x | x | F2 | F2 |  |
| 12\_C2S\_6 |  |  |  |  | x |  | C |  |  |
| 12\_C9S\_12 | x | x | x | x |  |  | F2 | F2 | P |
| 12\_C9S\_16 | x | x | x | x |  |  | F2 | F2 |  |
| 12\_C1SW\_13 | x |  |  |  |  |  | C |  |  |
| 12\_C1SW\_15 | x | x | x |  |  |  | F2 | F2 | F2 |
| 12\_C1SW\_21 | x | x | x |  |  |  | F2 |  |  |
| 12\_C1SW\_30 |  |  |  |  |  |  | C |  | F2 |
| 12\_C11SW\_19 |  |  |  |  |  | x | F2 |  |  |
| 12\_C102W\_3 | x |  | x |  | x | x | C |  | F2 |
| 12\_C11SW\_19 |  |  |  |  | x |  | C |  | F2 |
| 12\_C94W\_6 |  |  |  |  | x |  | C |  |  |
| 12\_C96W\_15 |  |  |  |  | x | x | C |  |  |
| 12\_C102W\_6 |  |  |  |  | x |  | C |  |  |
| 12\_C102W\_13 |  |  | x |  |  |  | C |  |  |
| 12\_C4N\_1 |  |  |  |  |  |  | C |  | P |
| 12\_C192N\_8 |  |  |  |  | x | x | C |  |  |
| 12\_C195bN\_2 |  |  |  |  | x |  | C |  |  |
| 12\_C196N\_19 |  |  |  |  | x |  | C |  |  |
| 12\_C1SW\_28 |  |  |  |  | x |  | C |  |  |
| 12\_C210N\_1 |  |  |  |  |  |  | C |  | F2 |
| 12\_C210N\_24 |  |  |  |  | x |  | C |  |  |
| 12\_C210N\_4 |  |  |  |  | x | x | C |  | C/P |
| 12\_C89N\_13 |  |  |  |  | x |  | C |  |  |
| 12\_C89N\_17 |  |  |  |  | x | x | C |  |  |
| 13\_C1S\_271 |  |  |  |  | x |  | C |  |  |
| 13\_C1S\_277 |  |  | x |  | x | x | C |  | F2 |
| 13\_C2S\_3 |  |  |  |  | x |  | C |  |  |
| 13\_C8S\_230 | x | x | x | x |  |  | F2 | F2 |  |
| 13\_C28S\_253 |  |  |  |  | x |  | C |  |  |
| 13\_C28S\_254 |  |  |  |  | x | x | C |  | P |
| 13\_C28S\_255 |  |  |  |  | x | x | C |  | F2 |
| 13\_C28S\_266 |  |  |  |  |  |  | C |  | F2 |
| 13\_C28S\_270 |  |  |  |  |  |  | C |  | F2 |
| 13\_C1SW\_18 |  |  |  |  | x | x | C |  |  |
| 13\_C2SW\_3 |  |  |  |  | x | x | C |  | C/F2 |
| 13\_C9SW\_14 | x |  |  |  |  |  | C |  |  |
| 13\_C9SW\_15 | x | x |  |  |  |  | F2 | F2 | P |
| 13\_C9SW\_16 |  |  |  |  |  |  | C |  |  |
| 13\_C10SW\_14 |  |  |  |  | x | x | C |  |  |
| 13\_C10SW\_3 |  |  |  |  | x | x | C |  | F2 |
| 13\_C10SW\_5 |  |  |  |  | x |  | C |  |  |
| 13\_C126SW\_19 |  |  |  |  | x |  | C |  |  |
| 13\_C26W\_3 | x |  | x |  |  |  | C |  |  |
| 13\_C76W\_5 |  |  |  |  | x | x | C |  |  |
| 13\_C79W\_17 |  |  |  |  | x | x | C |  | C/F2 |
| 13\_C104W\_3 |  |  |  |  | x |  | C |  |  |
| 13\_C104W\_4 | x |  |  |  | x |  | C |  |  |
| 13\_C104W\_5 | x | x | x | x | x | x | P | P | P |
| 13\_C104W\_6 |  |  |  |  | x | x | C |  | F2 |
| 13\_C104W\_8 | x | x | x |  | x | x | C |  | C/P |
| 13\_C119W\_8 |  |  |  |  | x | x | C |  |  |
| 13\_C120W\_14 |  |  |  |  | x | x | C |  |  |
| 13\_C120W\_17 |  |  | x |  | x | x | C |  | F2 |
| 13\_C126W\_1 | x |  | x | x | x |  | F2 | F2 | F2 |
| 13\_C42N\_14 | x |  | x |  |  |  | F2 | F2 |  |
| 13\_C42N\_16 | x |  | x |  |  |  | C |  |  |
| 13\_C56N\_22 |  |  |  |  | x | x | C |  | P |
| 13\_C109N\_6 |  |  |  |  | x |  | C |  |  |
| 13\_C109N\_13 | x |  | x |  | x |  | C |  | P |
| 13\_C109N\_17 |  |  |  |  | x | x | C |  |  |
| 13\_C109N\_29 |  |  |  |  |  |  | C |  | P |
| 13\_C171N\_4 | x | x | x | x |  |  | F2 | F2 | P |
| 13\_C171N\_10 |  |  |  |  | x |  | C |  |  |
| 13\_C171N\_12 |  |  |  |  | x |  | C |  | F2 |
| 13\_C171N\_6 |  |  |  |  | x |  | C |  |  |
| 13\_C178N\_15 |  |  |  |  | x |  | C |  |  |
| 13\_C178N\_18 |  |  |  |  | x | x | C |  |  |
| 12\_P16SW\_48 |  |  | x |  |  |  | C |  |  |
| 12\_P6SW\_1 |  |  |  |  |  |  | P |  |  |
| 12\_P6SW\_4 |  |  | x |  |  |  | P |  |  |
| 12\_P114W\_10 |  |  |  |  | x |  | P |  | C |
| 12\_P15SW\_10 |  |  |  |  | x | x | P |  |  |
| 12\_P16SW\_19 |  |  |  |  | x |  | P |  |  |
| 12\_P16SW\_48 |  |  |  |  | x | x | P |  |  |
| 12\_P25aSW\_1 |  |  |  |  | x |  | P |  | P/F2 |
| 12\_P25aSW\_6 |  |  |  |  |  |  | P |  | F2 |
| 12\_P25aSW\_7 |  |  |  |  | x | x | P |  | F2 |
| 12\_P6SW\_11 |  |  |  |  | x |  | P |  | F2 |
| 12\_P6SW\_2 |  |  |  |  | x | x | P |  |  |
| 12\_P6SW\_4 |  |  |  |  | x | x | P |  |  |
| 12\_P6SW\_9 |  |  |  |  | x |  | P |  |  |
| 12\_P16SW\_483 |  |  |  |  |  |  | P |  | F2 |
| 12\_P7S\_8 | x |  |  |  |  |  | P |  |  |
| 12\_P8S\_73 |  |  |  |  | x | x | P |  | C |
| 12\_P8S\_76 |  |  |  |  |  |  | P | F2 | C |
| 12\_P8S\_79 |  |  | x | x | x |  | P | F2 | F2 |
| 12\_P8S\_86 |  |  |  |  | x | x | P |  | C |
| 12\_P9S\_15 | x |  |  |  |  |  | F2 |  |  |
| 12\_P9S\_17 |  |  |  |  |  |  | F2 |  |  |
| 12\_P25N\_1 |  |  |  |  |  |  | P |  | BcP |
| 12\_P25N\_12 |  |  |  |  | x |  | P |  |  |
| 12\_P25N\_15 |  |  |  |  | x | x | P |  | P/F2 |
| 12\_P25N\_22 |  |  |  |  | x |  | P |  |  |
| 12\_P25N\_23 | x | x | x | x |  |  | F2 | F2 |  |
| 12\_P25N\_24 | x | x | x | x |  |  | F2 | F2 |  |
| 12\_P79N\_4 |  |  | x |  | x | x | P |  | F2 |
| 12\_P79N\_12 |  |  |  |  | x |  | P |  |  |
| 12\_P79N\_17 |  |  |  |  | x |  | P |  |  |
| 12\_P79N\_9 |  |  |  |  | x | x | P |  | F2 |
| 12\_P191N\_15 |  |  |  |  | x | x | P |  | C |
| 12\_P191N\_17 |  |  |  |  | x |  | P |  |  |
| 12\_P205N\_6 |  |  |  |  | x | x | P |  | F2 |
| 12\_P205N\_24 |  |  |  |  |  |  | P |  | F2 |
| 12\_P211N\_1 |  |  |  |  | x | x | P |  | F2 |
| 12\_P211N\_8 |  |  |  |  | x |  | P |  | C |
| 13\_P4S\_205 | x |  | x |  |  |  | F2 | F2 | F2 |
| 13\_P27S\_249 | x | x | x | x |  |  | F2 |  | C |
| 13\_P22S\_304 |  |  |  |  | x |  | P |  |  |
| 13\_P27S\_239 |  |  |  |  | x | x | P |  | F2 |
| 13\_P1SW\_4 |  |  |  |  | x | x | P |  |  |
| 13\_P3SW\_4 |  |  |  |  |  |  | P |  | C |
| 13\_P12SW\_17 |  |  |  |  | x |  | P |  |  |
| 13\_P12SW\_3 |  |  |  |  | x |  | P |  |  |
| 13\_P29SW\_18 |  |  |  |  | x |  | P |  |  |
| 13\_P29SW\_7 |  |  |  |  | x | x | P |  |  |
| 13\_P29SW\_8 |  |  |  |  | x | x | P |  |  |
| 13\_P2SW\_37 |  |  |  |  | x | x | P |  |  |
| 13\_P2SW\_38 | x |  |  |  | x | x | F2 |  | F2 |
| 13\_P3SW\_352 | x |  |  |  | x | x | P |  | F2 |
| 13\_P3SW\_353 | x |  | x | x | x |  | P | F2 |  |
| 13\_P3SW\_354 |  |  |  |  | x | x | P |  | F2 |
| 13\_P3SW\_366 |  |  |  |  | x |  | P |  |  |
| 13\_P26SW\_15 | x |  | x | x | x | x | F2 | F2 | F2 |
| 13\_P26SW\_19 |  |  |  |  |  |  | P |  | F2 |
| 13\_P29SW\_7 |  |  |  |  |  |  | P |  | P/F2 |
| 13\_P29SW\_8 |  |  | x |  |  |  | P |  | F2 |
| 13\_P85SW\_9 |  |  |  |  | x | x | P |  | C |
| 13\_P63W\_12 |  |  |  |  | x |  | P |  |  |
| 13\_P63W\_7 |  |  |  |  | x | x | P |  | F2 |
| 13\_P93W\_3 |  |  |  |  | x |  | P |  |  |
| 13\_P93W\_4 |  |  |  |  | x |  | P |  | F2 |
| 13\_P100W\_11 |  |  |  |  | x | x | P |  |  |
| 13\_P100W\_14 |  |  |  |  | x |  | P |  |  |
| 13\_P100W\_19 |  |  |  |  | x | x | P |  | P/F2 |
| 13\_P130W\_2 |  |  |  |  |  |  | P |  | F2 |
| 13\_P42N\_10 |  |  |  |  | x |  | P |  |  |
| 13\_P56N\_10 |  |  |  |  | x |  | P |  |  |
| 13\_P56N\_11 |  |  |  |  | x | x | P |  |  |
| 13\_P56N\_13 |  |  |  |  | x | x | P |  |  |
| 13\_P56N\_20 |  |  |  |  | x | x | P |  |  |
| 13\_P56N\_24 |  |  |  |  | x | x | P |  |  |
| 13\_P92N\_13 |  |  |  |  | x | x | P |  |  |
| 13\_P92N\_6 |  |  |  |  | x | x | P |  | F2 |
| 13\_P56N\_7 |  |  | x |  | x | x | P |  | F2 |
| 13\_P56N\_11 |  |  |  |  |  |  | P |  | C/P |
| 13\_P56N\_13 |  |  |  |  |  |  | P |  | F2 |
| 13\_P178N\_9 |  |  |  |  | x | x | P | F2 | F2 |
| 13\_P178N\_21 |  |  |  |  | x |  | P |  | F2 |
| 13\_P178N\_22 | x |  |  |  |  |  | F2 |  |  |
| **TOTAL** | **31** | **13** | **33** | **13** | **108** | **59** | **22** | **19** | **68** |