











| PLINK format | in directory | PLINK files | |
|--|---|-----------------|--|
| | all genotyped animals in one file | F LINK IIIES | |
| 21 BSWSVNF000055838063 0 0 2 -9 1 2 1 1 2 1 | 2 2 2 1 1 1 2 2 1 2 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 | 2 1 1 1 1 1 1 1 | |
| 1 14 ARS-BFGL-BAC-10172 0 6371334 2 14 ARS-BFGL-BAC-1020 0 7928189 3 14 ARS-BFGL-BAC-10245 0 31819743 4 14 ARS-BFGL-BAC-10345 0 6133529 5 14 ARS-BFGL-BAC-10375 0 6616434 6 14 ARS-BFGL-BAC-10591 0 17544926 7 14 ARS-BFGL-BAC-10591 0 31267746 9 10 ARS-BFGL-BAC-10952 0 18882288 10 10 ARS-BFGL-BAC-10950 0 20609250 11 10 ARS-BFGL-BAC-10972 0 20792754 12 10 ARS-BFGL-BAC-10975 0 21225382 13 10 ARS-BFGL-BAC-10975 0 21225382 13 10 ARS-BFGL-BAC-10975 0 78512500 15 10 ARS-BFGL-BAC-1000 0 79252023 16 10 ARS-BFGL-BAC-11000 0 79252023 16 10 ARS-BFGL-BAC-11003 0 80410977 | For each SNP – 2 values, for 2 alleles | | |
| 17 10 ARS-BFGL-BAC-11007 0 80783719 18 10 ARS-BFGL-BAC-11025 0 84516867 19 10 ARS-BFGL-BAC-11028 0 85649939 20 1 ARS-BFGL-BAC-11034 0 12839893 21 11 ARS-BFGL-BAC-11039 0 21276136 22 1 ARS-BFGL-BAC-11042 0 132983082 23 1 ARS-BFGL-BAC-11044 0 12805406 24 11 ARS-BFGL-BAC-11047 0 21681893 25 11 ARS-BFGL-BAC-11057 0 22201316 26 1 ARS-BFGL-BAC-11057 0 134030804 27 11 ARS-BFGL-BAC-11090 0 4730528 | | | |

| Oracle dat | abase | | table | | |
|-----------------|--------------------|------------|--------------|--------------------|--|
| COLUMN_NAME | DATA_TYPE | 1 NULLABLE | DATA_DEFAULT | COLUMN_ID COMMENTS | |
| 1 ID LOCAL | VARCHAR2 (30 BYTE) | No | (null) | 1 (null) | |
| | VARCHAR2 (30 BYTE) | | (null) | 2 (null) | |
| 3 IDANIM | VARCHAR2 (19 BYTE) | Yes | (null) | 3 (null) | |
| | VARCHAR2 (3 BYTE) | | (null) | 4 (null) | |
| 5 SEX | VARCHAR2 (1 BYTE) | Yes | (null) | 5 (null) | |
| 6 ORIGIN | VARCHAR2 (3 BYTE) | Yes | (null) | 6 (null) | |
| 7 ANIMAL | VARCHAR2 (12 BYTE) | Yes | (null) | 7 (null) | |
| 8 STATUS | NUMBER (4,0) | Yes | (null) | 8 (null) | |
| 9 DTSENT | DATE | Yes | (null) | 9 (null) | |
| 10 DTACC | DATE | Yes | (null) | 10 (null) | |
| 11 NSNP | NUMBER (9,0) | Yes | (null) | 11 (null) | |
| 12 CHIP NAME | VARCHAR2 (30 BYTE) | Yes | (null) | 12 (null) | |
| 13 CHIP DENSITY | VARCHAR2 (15 BYTE) | Yes | (null) | 13 (null) | |
| 14 HOMOZYG | NUMBER(7,5) | Yes | (null) | 14 (null) | |
| 15 CALL RATE | NUMBER(7,4) | Yes | (null) | 15 (null) | |
| 16 IDRUN | NUMBER (5,0) | No | (null) | 16 (null) | |
| 17 BREEDER NAME | VARCHAR2 (50 BYTE) | Yes | (null) | 17 (null) | |
| 18 OWNER NAME | VARCHAR2 (50 BYTE) | Yes | (null) | 18 (null) | |
| 19 REMARK | VARCHAR2 (72 BYTE) | Yes | (null) | 19 (null) | |
| 20 CALL RATE C | NUMBER(7,4) | Yes | (null) | 20 (null) | |
| 21 KEY | VARCHAR2 (30 BYTE) | Yes | (null) | 21 (null) | |
| 22 DTTAKE | DATE | Yes | (null) | 22 (null) | |
| 23 IDSEZNAM | NUMBER | Yes | (null) | 23 (null) | |
| 24 LAB NAME | VARCHAR2 (50 BYTE) | Yes | (null) | 24 (null) | |

App on the web

Summary of genotyped animals by serial number, data are storaged in Oracle database

| pization gled geno | animals tipizacij | sent | receive results | u chip | density | numb of snp | lah | breed |
|-----------------------|----------------------|---------|--------------------|--------------|---------|----------------------|--------------------|---------------------------------|
| Serija ↓ , | Št. Živali | Poslano | Prejeto | Čip | Gostota | N_snp | Laboratorij | Pasme |
| 9999 | 100 | - | - | - | - | - | - | HOL |
| 1348 | 7 | - | 15.02.2024 | IDB_versa50K | 50K | 497 <mark>4</mark> 5 | Weatherbys Ireland | BSW |
| 1347 | 1 | - | 19.02.2024 | IDB_versa50K | 50K | 49750 | Weatherbys Ireland | LIM |
| 1346 | 4 | - | 15.02.2024 | IDB_versa50K | 50K | 49745 | Weatherbys Ireland | BSW |
| 1345 | 9 | | 15.02.2024 | IDB_versa50K | 50K | 49745 | Weatherbys Ireland | BSW |
| 1344 | 2 | - | 15.02.2024 | IDB_versa50K | 50K | 49745 | Weatherbys Ireland | BSW |
| 1343 | 14 | - | 15.02.2024 | IDB_versa50K | 50K | 49745 | Weatherbys Ireland | CHA-LIM |
| 1342 | 9 | - | 15.02.2024 | IDB_versa50K | 50K | 49745 | Weatherbys Ireland | CHA-LIM |
| 1341 | 14 | - | 15.02.2024 | IDB_versa50K | 50K | 49749 | Weatherbys Ireland | CHA-LIM |
| 1340 | 2 | - | 15.02.2024 | IDB_versa50K | 50K | 49750 | Weatherbys Ireland | BSW |
| 1339 | 1 | 2 | 15.02.2024 | IDB_versa50K | 50K | 49750 | Weatherbys Ireland | SIM |
| 1338 | 162 | - | 12.02.2024 | IDB_versa50K | 50K | 49745 | Weatherbys Ireland | AAN-BSW-CHA-CIK-HOL-LIM-SIM-UUU |
| 1337 | 21 | - | 12.02.2024 | IDB_versa50K | 50K | 497 4 5 | Weatherbys Ireland | HOL-SIM-UUU |
| 1336 | 15 | 2 | 12.02.2024 | IDB_versa50K | 50K | 49745 | Weatherbys Ireland | SIM |
| 1335 | 39 | - | 05.02.2024 | IDB_versa50K | 50K | 49749 | Weatherbys Ireland | CHA-HOL-LIM |
| 1334 | 137 | - | 29.01.2024 | IDB_versa50K | 50K | 497 4 5 | Weatherbys Ireland | BSW-CIK-HOL-UUU |
| 1333 | 426 | - | 29.01.2024 | IDB versa50K | 50K | 49745 | Weatherbys Ireland | AAN-BSW-CHA-HOL-LIM-SIM-UUU |

9

App on the web

Search by breed, id, gender, serial number, status data are storaged in Oracle database

| animal id | id | | sent | received results | number of snp | chip | density | homozigosity | reliability | | | imber of Lab_ic peats |
|----------------|---------------------|--------|------------|---------------------|------------------|--------------|----------|--------------|-------------|---------------------|-----------|--------------------------|
| regled | | | | | | | | | | | | |
| Išči | | Država | Vse 🗸 Pa | isma živali V | se 🗸 Spo | Vse 🗸 Serija | Vse 🗸 St | atus Vse | | | | ~ |
| Št. prikazanił | 100 V Go Reset | | | | | | | | | | | |
| | | | | | | | | | | | | |
| ID | Žival ↑≞ | Status | Poslano | Sprejeto | N_snp | Ċip | Gostota | Homozig. | Točnost | Serija | Ponovitev | LabID |
| SI04927378 | BSWSVNF000004927378 | SNP | 25.03.2021 | 23.04.2021 | 49745 | IDB_versa50K | 50K | 0,7049 | 0,9945 | 1175 | 1 | 473779012 |
| SI04927426 | BSWSVNF000004927426 | SNP | 12.07.2021 | 19.08.2021 | 49745 | IDB_versa50K | 50K | 0,6773 | 0,9907 | 1208 | 1 | 470216318 |
| SI04927828 | BSWSVNF000004927828 | SNP | 14.05.2021 | 01.07.2021 | 49745 | IDB_versa50K | 50K | 0,6846 | 0,9752 | 11 <mark>9</mark> 6 | 1 | 466446 <mark>3</mark> 16 |
| SI04929868 | BSWSVNF000004929868 | SNP | 30.09.2019 | 30.09.2019 | 49706 | IDB_versa50K | 50K | 0,7016 | 0,9907 | 1125 | 1 | SI04929868 |
| SI04929875 | BSWSVNF000004929875 | SNP | 14.05.2021 | 01.07.2021 | 49745 | IDB_versa50K | 50K | 0,6645 | 0,9487 | 1195 | 1 | 494616916 |
| SI04930095 | BSWSVNF000004930095 | SNP | 01.06.2022 | 07.07.2022 | 49749 | IDB_versa50K | 50K | 0,7006 | 0,9942 | 1268 | 1 | 473954815 |
| SI04930507 | BSWSVNF000004930507 | SNP | 13.08.2018 | 13.08.2018 | 52445 | IDB_IDBv3 | 53K | 0,7165 | 0,9941 | 1103 | 1 | SI04930507 |
| SI04931247 | BSWSVNF000004931247 | SNP | 12.05.2021 | 23.06.2021 | 49745 | IDB_versa50K | 50K | 0,6853 | 0,9971 | 1191 | 1 | 467008214 |
| SI04931618 | BSWSVNF000004931618 | SNP | 03.05.2022 | 06.06.2022 | 49745 | IDB_versa50K | 50K | 0,6909 | 0,9922 | 1258 | 1 | 473394811 |
| SI04931900 | BSWSVNF000004931900 | SNP | 21.08.2017 | 15.09.2017 | 52445 | IDB_IDBv3 | 53K | 0,7189 | 0,9922 | 1079 | 1 | SI04931900 |
| SI04931931 | BSWSVNF000004931931 | SNP | 12.01.2018 | 15.02.2018 | 52445 | IDB191_IDBv3 | 53K | 0,7236 | 0,9934 | 1092 | 1 | SI04931931 |
| SI04933270 | BSWSVNF000004933270 | SNP | 14.05.2021 | 01.07.2021 | 49745 | IDB_versa50K | 50K | 0,6827 | 0,9644 | 1195 | 1 | 508960512 |
| SI04939867 | BSWSVNF000004939867 | SNP | 03.06.2021 | 05.08.2021 | 49745 | IDB_versa50K | 50K | 0,7166 | 0,9916 | 1203 | 1 | 471888318 |
| SI04939874 | BSWSVNF000004939874 | SNP | 03.06.2021 | 05.08.2021 | 49745 | IDB_versa50K | 50K | 0,7202 | 0,9867 | 1203 | 1 | 475754514 |
| SI04941693 | BSWSVNF000004941693 | SNP | 12.01.2018 | 23.02.2018 | 52445 | IDB191_IDBv3 | 53K | 0,7039 | 0,9461 | 1093 | 1 | SI04941693 |
| SI04942508 | BSWSVNF000004942508 | SNP | 07.06.2022 | 01.07.2022 | 49749 | IDB versa50K | 50K | 0.6997 | 0.9814 | 1264 | 1 | 498698316 |

| Livestock databas | ses | | | | | |
|---|---------------------|---------------|-------------------------------|----------|----------------|--|
| 40 different breeding prog | grammes: 🖛 8 | 3, 🞢 17, ዂ 5, | # 5, # 4 , 🎘, | V | | |
| S Kmetijski inštitut Slovenije | CPZ Cattle | Bee | | | | |
| BF UNIVERSITY OF LJUBLJANA Biotechnical Faculty | Small Ruminants | Pigs | Genetic evaluation for cattle | Genetic | evaluation for | Conservation of AnGR |
| VF UNIVERSITY OF LIUBLIANA Veterinary Faculty | Horses | | | | | |
| | Lipizzan horse | | | | A | IE RECOVERY ND RESILIENCE AN |
| REPUBLIKA SLOVENIJA MINISTIKSTVO ZA KORETIJSTVO, COZDARSTVO IN PREHRANO | central register | ARSKTRP | | | | by the an Union erationEU |
| 11 | | | | | | |

