

| Location and haplotypes of modern red deer analyzed in this study | | | | | | Haplo-type | Haplo-type | composed haplotype | nAme of composed haplotype | |
|---|-------------------------------------|--------------------------|---------------------------|-------------|-------------------------|------------|------------|--------------------|----------------------------|------------|
| Sample | Location | Geographic unity | Commune | Department | Sex | cyt b | d-loop | cyt b/d-loop | cyt b/d-loop | |
| DEER 096 | Cornimont | "Cornim" | Cornimont | Vosges (88) | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 097 | Cornimont | "Cornim" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 098 | Cornimont | "Cornim" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 107 | Cornimont | "Cornim" | Cornimont | | NO DATA | AVc3 | unknown | AVc3/unknown | likely AM3 | |
| DEER 109 | Cornimont | "Cornim" | Cornimont | | NO DATA | AVc3 | unknown | AVc3/unknown | likely AM3 | |
| DEER 110 | Cornimont | "Cornim" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 111 | Cornimont | "Cornim" | Cornimont | | NO DATA | AVc2 | AVd4 | AVc2/AVd4 | AM5 | |
| DEER 112 | Cornimont | "Cornim" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 113 | Cornimont | "Cornim" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 115 | Cornimont | "Cornim" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 108 | Cornimont | "Cornim" | Cornimont | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 094 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 095 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 100 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 101 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc2 | unknown | AVc2/unknown | likely AM2 | |
| DEER 102 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 103 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 104 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc2 | unknown | AVc2/unknown | likely AM2 | |
| DEER 105 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 106 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 114 | Cornimont | "CornimNA" | Cornimont | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 099 | Cornimont | "CornimNA" ^{tz} | Cornimont | | NO DATA | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 064 | Massif 25: Femonville | "Donon Massif" | Frémonville | | Meurthe-et-Moselle (54) | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 |
| DEER 041 | Massif 26: Domevre sur Vezouze | "Donon Massif" | Domevre-sur-Vezouze | | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 |
| DEER 044 | Massif 26: Domevre sur Vezouze | "Donon Massif" | Domèvre-sur-Vezouze | | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 |
| DEER 060 | Massif 26: Herbeville | "Donon Massif" | Herbéviller | | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 |
| DEER 066 | Massif 26: Neuville les badonviller | "Donon Massif" | Neuviller-lès-Badonviller | | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 |
| DEER 031 | Massif 27: Val-et-Chatillon | "Donon Massif" | Val-et-Châtillon | | | FEMALE | AVc3 | unknown | AVc3/unknown | likely AM3 |
| DEER 034 | Massif 27: Val- et- Chatillon | "Donon Massif" | Val-et-Châtillon | | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 |
| DEER 042 | Massif 27: Cirey sur Vezouze | "Donon Massif" | Cirey-sur-Vezouze | MALE | | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 045 | Massif 27: Val- et- Chatillon | "Donon Massif" | Val-et-Châtillon | MALE | | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 046 | Massif 27: Cirey sur Vezouze | "Donon Massif" | Cirey-sur-Vezouze | FEMALE | | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 048 | Massif 27: Cirey sur Vezouze | "Donon Massif" | Cirey-sur-Vezouze | FEMALE | | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 049 | Massif 27: Cirey sur Vezouze | "Donon Massif" | Cirey-sur-Vezouze | MALE | | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 051 | Massif 27: Val-et-Chatillon | "Donon Massif" | Val-et-Châtillon | FEMALE | | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 052 | Massif 27: Val-et-Chatillon | "Donon Massif" | Val-et-Châtillon | MALE | | unknown3 | AVd3 | unknown/AVd3 | likely AM3 | |

| Sample | Location | Geographic unity | Commune | Department | Sex | cyt b | d-loop | cyt b/d-loop | cyt b/d-loop | |
|----------|--------------------------------------|--------------------------|-------------------|-------------------------|-------------|---------|---------|--------------|--------------|-----|
| DEER 054 | Massif 27: Val-et-Chatillon | "Donon Massif" | Val-et-Châtillon | Meurthe-et-Moselle (54) | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 056 | Massif 27: Cirey sur Vezouze | "Donon Massif" | Cirey-sur-Vezouze | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 057 | Massif 27: Val-et-Chatillon | "Donon Massif" | Val-et-Châtillon | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 061 | Massif 27: Val-et-Chatillon | "Donon Massif" | Val-et-Châtillon | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 062 | Massif 27: Val-et-Chatillon | "Donon Massif" | Val-et-Châtillon | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 063 | Massif 27: Cirey sur Vezouze | "Donon Massif" | Cirey-sur-Vezouze | | NO DATA | unknown | AVd3 | unknown/AVd3 | likely AM3 | |
| DEER 065 | Massif 27: Val-et-Chatillon | "Donon Massif" | Val-et-Châtillon | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 069 | Massif 27: Val-et-Chatillon | "Donon Massif" | Val-et-Châtillon | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 035 | Massif 28: Sainte Pole | "Donon Massif" | Sainte-Pôle | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 038 | Massif 30: Brouville | "Donon Massif" | Brouville | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 039 | Massif 30: Orgeval | "Donon Massif" | Ogéville | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 068 | Massif 30: Hablainville | Between Donon and Parroy | Hablainville | | NO DATA | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 116 | Bresse | "La Bresse" | La Bresse | | Vosges (88) | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 |
| DEER 117 | Bresse | "La Bresse" | La Bresse | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 070 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | Bas-Rhin (67) | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 071 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | FEMALE | AVc3 | unknown | AVc3/unknown | likely AM3 | |
| DEER 072 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 073 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 074 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 075 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | unknown | AVc3/unknown | likely AM3 | |
| DEER 076 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | FEMALE | unknown | unknown | unknown | unknown | |
| DEER 077 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 078 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 079 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 080 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | FEMALE | unknown | unknown | unknown | unknown | |
| DEER 081 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 082 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 083 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | unknown | AVd3 | unknown/AVd3 | likely AM3 | |
| DEER 084 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 085 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | unknown | AVc3/unknown | likely AM3 | |
| DEER 086 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | unknown | AVc3/? | likely AM3 | |
| DEER 087 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 088 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 089 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 090 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | unknown | AVc3/unknown | likely AM3 | |
| DEER 091 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | FEMALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 092 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 093 | La Petite Pierre (Réserve de chasse) | "La Petite Pierre" | La Petite Pierre | | NO DATA | unknown | unknown | unknown | unknown | |

| Sample | Location | Geographic unity | Commune | | Sex | cyt b | d-loop | cyt b/d-loop | cyt b/d-loop | |
|----------|----------------------------------|--------------------------|-----------------------|-------------------------|-------------|---------|---------|--------------|--------------|------------|
| DEER 032 | Massif 24: Embermenil | "Parroy Massif" | Embermenil | Meurthe-et-Moselle (54) | FEMALE | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 033 | Massif 24: Laneuveville aux Bois | "Parroy Massif" | Laneuveville-aux-Bois | | FEMALE | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 036 | Massif 24: Embermenil | Between Donon and Parroy | Embermenil | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 037 | Massif 24: Croismare | "Parroy Massif" | Croismare | | FEMALE | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 040 | Massif 24: Embermenil | "Parroy Massif" | Embermenil | | MALE | AVc2 | unknown | AVc2/unknown | likely AM2 | |
| DEER 047 | Massif 24: Laneuveville aux Bois | "Parroy Massif" | Laneuveville-aux-Bois | | MALE | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 050 | Massif 24: Embermenil | "Parroy Massif" | Embermenil | | FEMALE | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 058 | Massif 24: Laneuveville aux Bois | "Parroy Massif" | Laneuveville-aux-Bois | | MALE | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 067 | Massif 24: Laneuveville aux Bois | Between Donon and Parroy | Laneuveville-aux-Bois | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 043 | Massif 25: Leintrey | "Parroy Massif" | Leintrey | | MALE | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 053 | Massif 25: Remoncourt | Between Donon and Parroy | Remoncourt | | MALE | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 055 | Massif 25: Domjevin | "Parroy Massif" | Domjevin | | MALE | unknown | AVd2 | unknown/AVd2 | likely AM2 | |
| DEER 059 | Massif 25: Leintrey | "Parroy Massif" | Leintrey | | FEMALE | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 001 | Massif de Rambervillers | "Rambervillers" | Rambervillers | | Vosges (88) | NO DATA | AVc1 | AVd1 | AVc1/AVd1 | AM1 |
| DEER 002 | Massif de Rambervillers | "Rambervillers" | Rambervillers | | | NO DATA | unknown | unknown | unknown | unknown |
| DEER 003 | Massif de Rambervillers | "Rambervillers" | Rambervillers | | | NO DATA | AVc1 | AVd1 | AVc1/AVd1 | AM1 |
| DEER 004 | Massif de Rambervillers | "Rambervillers" | Rambervillers | | | NO DATA | AVc1 | AVd1 | AVc1/AVd1 | AM1 |
| DEER 005 | Massif de Rambervillers | "Rambervillers" | Rambervillers | | | NO DATA | AVc1 | unknown | AVc1/unknown | likely AM1 |
| DEER 006 | Massif de Rambervillers | "Rambervillers" | Rambervillers | | | NO DATA | AVc2 | AVd2 | AVc2/AVd2 | AM2 |
| DEER 007 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | unknown | unknown | unknown | unknown | |
| DEER 008 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 009 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 010 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 011 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 012 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 013 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 014 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | unknown | AVd1 | unknown/AVd1 | likely AM1 | |
| DEER 015 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 016 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 017 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 018 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | unknown | AVd3 | unknown/AVd3 | likely AM3 | |
| DEER 019 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 020 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | unknown | unknown | unknown | unknown | |
| DEER 021 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 022 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc3 | AVd3 | AVc3/AVd3 | AM3 | |
| DEER 023 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 024 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 025 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc2 | AVd1 | AVc2/AVd1 | AM4 | |
| DEER 026 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 027 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |
| DEER 028 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 029 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc1 | AVd1 | AVc1/AVd1 | AM1 | |
| DEER 030 | Massif de Rambervillers | "Rambervillers" | Rambervillers | NO DATA | | AVc2 | AVd2 | AVc2/AVd2 | AM2 | |

comments

genetic sexing: male

