Tables S2. Sampling locations, sequence name and GeneBank accession number for control region (CR) and cytochrome *b* (cyt *b)* gene of mtDNA in *Ixodus ricinus*.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Location | Country | Location number | Sequence name | CR GenBank accession mumber | Cyt *b* GenBank accession mumber |
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| Hitra | Norway | 1 | HIT351 | KY025864 | KY067033 |
| Hitra | Norway | 1 | HIT352 | KY025865 |  |
| Hitra | Norway | 1 | HIT353 | KY025866 | KY067034 |
| Hitra | Norway | 1 | HIT354 | KY025867 | KY067035 |
| Hitra | Norway | 1 | HIT355 |  | KY067036 |
| Hitra | Norway | 1 | HIT356 | KY025868 | KY067037 |
| Hitra | Norway | 1 | HIT357 | KY025869 |  |
| Hitra | Norway | 1 | HIT359 | KY025870 | KY067038 |
| Hitra | Norway | 1 | HIT360 | KY025871 | KY067039 |
| Hitra | Norway | 1 | HIT361 | KY025872 | KY067040 |
| Hitra | Norway | 1 | HIT362 | KY025873 | KY067041 |
| Hitra | Norway | 1 | HIT363 | KY025874 | KY067042 |
| Hitra | Norway | 1 | HIT364 | KY025875 | KY067043 |
| Hitra | Norway | 1 | HIT365 | KY025876 | KY067044 |
| Hitra | Norway | 1 | HIT366 | KY025877 | KY067045 |
| Hitra | Norway | 1 | HIT367 | KY025878 | KY067046 |
| Hitra | Norway | 1 | HIT368 | KY025879 | KY067047 |
| Hitra | Norway | 1 | HIT369 | KY025880 | KY067048 |
| Hitra | Norway | 1 | HIT370 | KY025881 | KY067049 |
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| Hareide | Norway | 2 | HAR325 | KY025843 | KY067011 |
| Hareide | Norway | 2 | HAR326 | KY025844 | KY067012 |
| Hareide | Norway | 2 | HAR327 | KY025845 | KY067013 |
| Hareide | Norway | 2 | HAR328 |  | KY067014 |
| Hareide | Norway | 2 | HAR329 | KY025846 | KY067015 |
| Hareide | Norway | 2 | HAR331 |  | KY067016 |
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| Hareide | Norway | 2 | HAR333 | KY025848 | KY067018 |
| Hareide | Norway | 2 | HAR334 | KY025849 | KY067019 |
| Hareide | Norway | 2 | HAR335 | KY025850 | KY067020 |
| Hareide | Norway | 2 | HAR336 | KY025851 | KY067021 |
| Hareide | Norway | 2 | HAR337 | KY025852 | KY067022 |
| Hareide | Norway | 2 | HAR338 | KY025853 | KY067023 |
| Hareide | Norway | 2 | HAR339 | KY025854 | KY067024 |
| Hareide | Norway | 2 | HAR340 | KY025855 | KY067025 |
| Hareide | Norway | 2 | HAR341 | KY025856 | KY067026 |
| Hareide | Norway | 2 | HAR342 | KY025857 | KY067027 |
| Hareide | Norway | 2 | HAR343 | KY025858 | KY067028 |
| Hareide | Norway | 2 | HAR344 | KY025859 |  |
| Hareide | Norway | 2 | HAR345 | KY025860 |  |
| Hareide | Norway | 2 | HAR346 |  | KY067029 |
| Hareide | Norway | 2 | HAR347 | KY025861 | KY067030 |
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| Gaular | Norway | 3 | GAU301 | KY025823 | KY066988 |
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| Gaular | Norway | 3 | GAU304 | KY025826 | KY066991 |
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| Gaular | Norway | 3 | GAU316 | KY025838 | KY067003 |
| Gaular | Norway | 3 | GAU317 | KY025839 | KY067004 |
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| Gaular | Norway | 3 | GAU320 |  | KY067007 |
| Gaular | Norway | 3 | GAU321 | KY025841 | KY067008 |
| Gaular | Norway | 3 | GAU322 | KY025842 | KY067009 |
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| Askvoll | Norway | 4 | Ask117 | KY025646 | KY066791 |
| Askvoll | Norway | 4 | Ask118 | KY025647 | KY066792 |
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| Lista | Norway | 5 | LIS183 | KY025732 | KY066888 |
| Lista | Norway | 5 | LIS185 | KY025733 | KY066889 |
| Lista | Norway | 5 | LIS186 | KY025734 |  |
| Lista | Norway | 5 | LIS187 | KY025735 | KY066890 |
| Lista | Norway | 5 | LIS188 | KY025736 | KY066891 |
| Lista | Norway | 5 | LIS189 | KY025737 |  |
| Lista | Norway | 5 | LIS190 | KY025738 | KY066892 |
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| Lista | Norway | 5 | LIS200 | KY025749 | KY066902 |
| Lista | Norway | 5 | LIS201 | KY025748 | KY066903 |
| Lista | Norway | 5 | LIS202 |  | KY066904 |
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| Jomfruland | Norway | 6 | JON204 | KY025599 | KY066747 |
| Jomfruland | Norway | 6 | JON205 | KY025600 | KY066748 |
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| Jomfruland | Norway | 6 | JON211 | KY025604 | KY066753 |
| Jomfruland | Norway | 6 | JON212 | KY025605 |  |
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| Jomfruland | Norway | 6 | JON214 | KY025607 | KY066755 |
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| Ostøya | Norway | 7 | OS\_OF2 | KY025609 | KY066756 |
| Ostøya | Norway | 7 | OS\_OF3 | KY025610 | KY066757 |
| Ostøya | Norway | 7 | OS\_OF4 | KY025611 | KY066758 |
| Ostøya | Norway | 7 | OS\_OF5 | KY025612 | KY066759 |
| Ostøya | Norway | 7 | OS\_OF6 | KY025613 | KY066760 |
| Ostøya | Norway | 7 | OS\_OF7 | KY025614 | KY066761 |
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| Ostøya | Norway | 7 | OS\_OF9 | KY025616 | KY066763 |
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| Ostøya | Norway | 7 | OS\_OM2 | KY025621 | KY066768 |
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| Ostøya | Norway | 7 | OS\_OM5 | KY025623 | KY066771 |
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| Ostøya | Norway | 7 | OSOM10 | KY025627 | KY066774 |
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| Kirkøya | Norway | 8 | STO212 | KY025756 | KY066914 |
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| Kirkøya | Norway | 8 | STO240 |  | KY066938 |
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| Ljungskila | Sweden | 9 | SNG517 | KY026003 | KY067165 |
| Ljungskila | Sweden | 9 | SNG518 | KY026004 | KY067166 |
| Ljungskila | Sweden | 9 | SNG519 | KY026005 | KY067167 |
| Ljungskila | Sweden | 9 | SNG520 | KY026006 | KY067168 |
| Ljungskila | Sweden | 9 | SNG521 | KY026007 |  |
| Ljungskila | Sweden | 9 | SNG522 | KY026008 | KY067169 |
| Ljungskila | Sweden | 9 | SNG523 | KY026009 | KY067170 |
| Ljungskila | Sweden | 9 | SNG524 | KY026010 | KY067171 |
| Ljungskila | Sweden | 9 | SNG525 | KY026011 | KY067172 |
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| Falkenberg | Sweden | 10 | SSG514 | KY026001 | KY067163 |
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| Ålbæk | Denmark | 11 | DNJ446 | KY025942 |  |
| Ålbæk | Denmark | 11 | DNJ447 | KY025943 |  |
| Ålbæk | Denmark | 11 | DNJ448 | KY025944 | KY067107 |
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| Ålbæk | Denmark | 11 | DNJ454 | KY025949 | KY067113 |
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| Ålbæk | Denmark | 11 | DNJ465 | KY025959 |  |
| Ålbæk | Denmark | 11 | DNJ466 | KY025960 |  |
| Ålbæk | Denmark | 11 | DNJ467 | KY025961 |  |
| Ålbæk | Denmark | 11 | DNJ468 |  | KY067123 |
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| Wahrzow | Germany | 13 | TYS\_46 |  | KY066827 |
| Wahrzow | Germany | 13 | TYS\_47 |  | KY066828 |
| Wahrzow | Germany | 13 | TYS\_49 | KY025681 |  |
| Wahrzow | Germany | 13 | TYS\_50 | KY025682 | KY066829 |
| Wahrzow | Germany | 13 | TYS\_51 | KY025680 | KY066830 |
| Wahrzow | Germany | 13 | TYS\_52 | KY025683 | KY066831 |
| Wahrzow | Germany | 13 | TYS\_53 | KY025689 | KY066832 |
| Wahrzow | Germany | 13 | TYS\_54 | KY025684 | KY066833 |
| Wahrzow | Germany | 13 | TYS\_55 | KY025686 | KY066834 |
| Wahrzow | Germany | 13 | TYS\_56 | KY025688 |  |
| Wahrzow | Germany | 13 | TYS\_57 | KY025685 | KY066835 |
| Wahrzow | Germany | 13 | TYS\_58 |  | KY066836 |
| Wahrzow | Germany | 13 | TYS\_59 |  | KY066837 |
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| Wahrzow | Germany | 13 | TYS\_61 | KY025690 | KY066839 |
| Wahrzow | Germany | 13 | TYS\_63 | KY025691 | KY066840 |
| Wahrzow | Germany | 13 | TYS\_64 |  | KY066841 |
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| Loket | Czech | 14 | CHE124 | KY025694 | KY066843 |
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| Loket | Czech | 14 | CHE137 | KY025701 | KY066852 |
| Loket | Czech | 14 | CHE138 | KY025702 |  |
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| Gdansk | Poland | 15 | POL102 |  | KY066854 |
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| Gdansk | Poland | 15 | POL106 | KY025711 |  |
| Gdansk | Poland | 15 | POL108 |  | KY066857 |
| Gdansk | Poland | 15 | POL109 |  | KY066858 |
| Gdansk | Poland | 15 | POL111 | KY025706 | KY066859 |
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| Gdansk | Poland | 15 | POL119 |  | KY066864 |
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| Gdansk | Poland | 15 | POL122 | KY025712 |  |
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| Helsinki | Finland | 16 | FIN141 | KY025727 | KY066879 |
| Helsinki | Finland | 16 | FIN143 |  | KY066880 |
| Helsinki | Finland | 16 | FIN144 | KY025728 | KY066881 |
| Helsinki | Finland | 16 | FIN145 | KY025730 | KY066882 |
| Helsinki | Finland | 16 | FIN146 | KY025729 | KY066883 |
| Helsinki | Finland | 16 | FIN147 | KY025731 | KY066884 |
| Helsinki | Finland | 16 | FIN148 |  | KY066885 |
| Helsinki | Finland | 16 | FIN149 |  | KY066886 |
| Mar Lodge | Scotland | 17 | SKC275 |  | KY066943 |
| Mar Lodge | Scotland | 17 | SKC276 |  | KY066944 |
| Mar Lodge | Scotland | 17 | SKC277 | KY025777 | KY066945 |
| Mar Lodge | Scotland | 17 | SKC278 | KY025778 | KY066946 |
| Mar Lodge | Scotland | 17 | SKC279 | KY025779 | KY066947 |
| Mar Lodge | Scotland | 17 | SKC280 | KY025780 | KY066948 |
| Mar Lodge | Scotland | 17 | SKC281 | KY025781 | KY066949 |
| Mar Lodge | Scotland | 17 | SKC282 | KY025782 | KY066950 |
| Mar Lodge | Scotland | 17 | SKC283 |  | KY066951 |
| Mar Lodge | Scotland | 17 | SKC284 | KY025783 | KY066952 |
| Mar Lodge | Scotland | 17 | SKC285 | KY025784 | KY066953 |
| Mar Lodge | Scotland | 17 | SKC286 | KY025785 | KY066954 |
| Mar Lodge | Scotland | 17 | SKC287 | KY025786 | KY066955 |
| Mar Lodge | Scotland | 17 | SKC288 | KY025787 | KY066956 |
| Mar Lodge | Scotland | 17 | SKC289 | KY025788 | KY066957 |
| Mar Lodge | Scotland | 17 | SKC290 | KY025789 | KY066958 |
| Mar Lodge | Scotland | 17 | SKC291 | KY025790 |  |
| Mar Lodge | Scotland | 17 | SKC292 | KY025791 | KY066959 |
| Mar Lodge | Scotland | 17 | SKC293 | KY025792 | KY066960 |
| Mar Lodge | Scotland | 17 | SKC294 | KY025793 | KY066961 |
| Mar Lodge | Scotland | 17 | SKC295 | KY025794 |  |
| Mar Lodge | Scotland | 17 | SKC296 | KY025795 | KY066962 |
| Mar Lodge | Scotland | 17 | SKC297 | KY025797 | KY066963 |
| Mar Lodge | Scotland | 17 | SKC298 | KY025796 | KY066964 |
| Mar Lodge | Scotland | 17 | SKC299 | KY025798 |  |
| Ballogie | Scotland | 18 | SKB252 | KY025799 | KY066965 |
| Ballogie | Scotland | 18 | SKB253 | KY025800 | KY066966 |
| Ballogie | Scotland | 18 | SKB254 | KY025801 | KY066967 |
| Ballogie | Scotland | 18 | SKB255 | KY025802 | KY066968 |
| Ballogie | Scotland | 18 | SKB256 | KY025803 | KY066969 |
| Ballogie | Scotland | 18 | SKB257 | KY025804 | KY066970 |
| Ballogie | Scotland | 18 | SKB258 | KY025805 | KY066971 |
| Ballogie | Scotland | 18 | SKB259 | KY025806 | KY066972 |
| Ballogie | Scotland | 18 | SKB260 | KY025807 | KY066973 |
| Ballogie | Scotland | 18 | SKB261 | KY025808 | KY066974 |
| Ballogie | Scotland | 18 | SKB263 | KY025809 | KY066975 |
| Ballogie | Scotland | 18 | SKB264 | KY025810 | KY066976 |
| Ballogie | Scotland | 18 | SKB265 | KY025811 | KY066977 |
| Ballogie | Scotland | 18 | SKB266 | KY025812 | KY066978 |
| Ballogie | Scotland | 18 | SKB267 | KY025813 | KY066979 |
| Ballogie | Scotland | 18 | SKB268 | KY025814 | KY066980 |
| Ballogie | Scotland | 18 | SKB269 | KY025815 | KY066981 |
| Ballogie | Scotland | 18 | SKB270 | KY025816 | KY066982 |
| Ballogie | Scotland | 18 | SKB271 | KY025817 | KY066983 |
| Ballogie | Scotland | 18 | SKB272 | KY025818 | KY066984 |
| Ballogie | Scotland | 18 | SKB273 | KY025819 | KY066985 |
| Ballogie | Scotland | 18 | SKB274 | KY025820 | KY066986 |
| Ballogie | Scotland | 18 | SKCB75 | KY025821 |  |
| Glensaugh | Scotland | 19 | SKO150 | KY025654 | KY066800 |
| Glensaugh | Scotland | 19 | SKO151 | KY025655 | KY066801 |
| Glensaugh | Scotland | 19 | SKO152 | KY025656 | KY066802 |
| Glensaugh | Scotland | 19 | SKO153 | KY025657 | KY066803 |
| Glensaugh | Scotland | 19 | SKO155 | KY025658 | KY066804 |
| Glensaugh | Scotland | 19 | SKO157 | KY025659 | KY066805 |
| Glensaugh | Scotland | 19 | SKO158 | KY025660 | KY066806 |
| Glensaugh | Scotland | 19 | sko159 | KY025661 | KY066807 |
| Glensaugh | Scotland | 19 | SKO160 | KY025662 | KY066808 |
| Glensaugh | Scotland | 19 | SKO161 | KY025663 | KY066809 |
| Glensaugh | Scotland | 19 | SKO163 | KY025664 | KY066810 |
| Glensaugh | Scotland | 19 | SKO164 | KY025665 | KY066811 |
| Glensaugh | Scotland | 19 | SKO165 | KY025666 | KY066812 |
| Glensaugh | Scotland | 19 | SKO166 | KY025667 | KY066813 |
| Glensaugh | Scotland | 19 | SKO167 | KY025668 | KY066814 |
| Glensaugh | Scotland | 19 | SKO168 | KY025669 | KY066815 |
| Glensaugh | Scotland | 19 | SKO169 | KY025670 | KY066816 |
| Glensaugh | Scotland | 19 | SKO170 | KY025671 |  |
| Glensaugh | Scotland | 19 | SKO171 |  | KY066817 |
| Glensaugh | Scotland | 19 | SKO172 | KY025672 | KY066818 |
| Glensaugh | Scotland | 19 | SKO173 | KY025673 | KY066819 |
| Glensaugh | Scotland | 19 | SKO174 | KY025674 | KY066820 |
| Glensaugh | Scotland | 19 | SKO176 | KY025675 | KY066821 |
| Glensaugh | Scotland | 19 | SKO177 | KY025676 | KY066822 |
| Glensaugh | Scotland | 19 | SKO179 | KY025677 | KY066823 |
| Glensaugh | Scotland | 19 | SKO180 | KY025678 | KY066824 |
| Glensaugh | Scotland | 19 | SKO181 | KY025679 | KY066825 |
| Setmurthy | England | 20 | UKI420 | KY025902 | KY067071 |
| Setmurthy | England | 20 | UKI421 | KY025903 | KY067072 |
| Setmurthy | England | 20 | UKI422 | KY025904 | KY067073 |
| Setmurthy | England | 20 | UKI423 | KY025905 | KY067074 |
| Setmurthy | England | 20 | UKI424 |  | KY067075 |
| Setmurthy | England | 20 | UKI425 | KY025906 |  |
| Setmurthy | England | 20 | UKI426 |  | KY067076 |
| Setmurthy | England | 20 | UKI428 | KY025907 |  |
| Setmurthy | England | 20 | UKI429 | KY025908 |  |
| Setmurthy | England | 20 | UKI430 | KY025909 | KY067077 |
| Setmurthy | England | 20 | UKI431 | KY025910 | KY067078 |
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| Setmurthy | England | 20 | UKI434 | KY025913 | KY067081 |
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| Setmurthy | England | 20 | UKI437 | KY025916 | KY067084 |
| Setmurthy | England | 20 | UKI438 |  | KY067085 |
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| Setmurthy | England | 20 | UKI441 | KY025919 | KY067088 |
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| Setmurthy | England | 20 | UKI443 |  | KY067090 |
| Danby | England | 21 | UKD372 | KY025882 | KY067050 |
| Danby | England | 21 | UKD373 | KY025897 | KY067051 |
| Danby | England | 21 | UKD374 | KY025883 | KY067052 |
| Danby | England | 21 | UKD375 | KY025884 | KY067053 |
| Danby | England | 21 | UKD376 | KY025898 | KY067054 |
| Danby | England | 21 | UKD377 |  | KY067055 |
| Danby | England | 21 | UKD378 | KY025885 | KY067056 |
| Danby | England | 21 | UKD379 | KY025886 | KY067057 |
| Danby | England | 21 | UKD380 | KY025887 | KY067058 |
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| Danby | England | 21 | UKD382 | KY025889 | KY067060 |
| Danby | England | 21 | UKD384 | KY025890 | KY067061 |
| Danby | England | 21 | UKD385 |  | KY067062 |
| Danby | England | 21 | UKD386 | KY025899 | KY067063 |
| Danby | England | 21 | UKD387 | KY025900 | KY067064 |
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| Danby | England | 21 | UKD390 | KY025892 | KY067067 |
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| Danby | England | 21 | UKD392 | KY025894 | KY067068 |
| Danby | England | 21 | UKD393 | KY025895 | KY067069 |
| Danby | England | 21 | UKD394 | KY025896 | KY067070 |
| Yeashley | England | 22 | UKM396 | KY025921 | KY067091 |
| Yeashley | England | 22 | UKM397 | KY025922 | KY067092 |
| Yeashley | England | 22 | UKM398 | KY025923 | KY067093 |
| Yeashley | England | 22 | UKM399 | KY025924 | KY067094 |
| Yeashley | England | 22 | UKM400 | KY025925 |  |
| Yeashley | England | 22 | UKM402 | KY025926 |  |
| Yeashley | England | 22 | UKM405 | KY025927 |  |
| Yeashley | England | 22 | UKM406 | KY025928 |  |
| Yeashley | England | 22 | UKM407 | KY025929 |  |
| Yeashley | England | 22 | UKM408 | KY025930 | KY067095 |
| Yeashley | England | 22 | UKM409 | KY025931 | KY067096 |
| Yeashley | England | 22 | UKM410 | KY025932 | KY067097 |
| Yeashley | England | 22 | UKM411 | KY025933 | KY067098 |
| Yeashley | England | 22 | UKM412 |  | KY067099 |
| Yeashley | England | 22 | UKM413 | KY025934 | KY067100 |
| Yeashley | England | 22 | UKM414 | KY025935 | KY067101 |
| Yeashley | England | 22 | UKM415 | KY025936 | KY067102 |
| Yeashley | England | 22 | UKM416 | KY025937 | KY067103 |
| Yeashley | England | 22 | UKM417 | KY025938 | KY067104 |
| Yeashley | England | 22 | UKM418 | KY025939 | KY067105 |
| Yeashley | England | 22 | UKM419 | KY025940 | KY067106 |