**Supplementary File 3**. Results from satsuma showing which flycatcher chromosome each scaffold in the blackcap reference genome hit. Mean position and orientation refer to the location and orientation of scaffolds on the flycatcher genome. The last 6 scaffolds did not hit any of the flycatcher chromosomes. Comparing the annotation of the blackcap and zebra finch genomes suggests they match the indicated chromosomes.

|  |  |  |  |
| --- | --- | --- | --- |
| Blackcap scaffold | Flycatcher chr | Mean location | Orientation |
| Super-Scaffold\_33 | chr\_1 | 36485 | 1 |
| Super-Scaffold\_8 | chr\_1 | 1339683 | -1 |
| Super-Scaffold\_37 | chr\_1 | 4636214 | -1 |
| Super-Scaffold\_76 | chr\_1 | 8096257 | 1 |
| Super-Scaffold\_4 | chr\_1 | 10433711 | -1 |
| Super-Scaffold\_80 | chr\_1 | 11098626 | -1 |
| Super-Scaffold\_32 | chr\_10 | 998131 | -1 |
| Super-Scaffold\_1819 | chr\_10 | 2065253 | 1 |
| Super-Scaffold\_13 | chr\_11 | 575478 | -1 |
| Super-Scaffold\_38 | chr\_11 | 1568314 | 1 |
| Super-Scaffold\_57 | chr\_11 | 2074346 | 1 |
| Super-Scaffold\_61 | chr\_12 | 122961 | 1 |
| Super-Scaffold\_89 | chr\_12 | 1181156 | 1 |
| Super-Scaffold\_100 | chr\_13 | 811989 | -1 |
| Super-Scaffold\_79 | chr\_13 | 1746253 | 1 |
| Super-Scaffold\_72 | chr\_14 | 869082 | -1 |
| Super-Scaffold\_14 | chr\_15 | 747687 | -1 |
| Super-Scaffold\_26 | chr\_17 | 618869 | -1 |
| Super-Scaffold\_60 | chr\_18 | 30886 | -1 |
| Super-Scaffold\_82 | chr\_18 | 689775 | 1 |
| Super-Scaffold\_66 | chr\_19 | 599067 | 1 |
| Super-Scaffold\_56 | chr\_1A | 916431 | -1 |
| Super-Scaffold\_31 | chr\_1A | 2191019 | 1 |
| Super-Scaffold\_63 | chr\_1A | 2340900 | 1 |
| Super-Scaffold\_46 | chr\_1A | 4867478 | -1 |
| Super-Scaffold\_34 | chr\_1A | 5221726 | 1 |
| Super-Scaffold\_94 | chr\_1A | 5486379 | 1 |
| Super-Scaffold\_78 | chr\_1A | 5863296 | -1 |
| Super-Scaffold\_48 | chr\_1A | 6119647 | -1 |
| Super-Scaffold\_58 | chr\_2 | 76694 | -1 |
| Super-Scaffold\_40 | chr\_2 | 2567093 | 1 |
| Super-Scaffold\_30 | chr\_2 | 10337890 | 1 |
| Super-Scaffold\_23 | chr\_20 | 25286 | 1 |
| Super-Scaffold\_9 | chr\_20 | 90779 | -1 |
| Super-Scaffold\_71 | chr\_20 | 522682 | -1 |
| Super-Scaffold\_20 | chr\_20 | 1226651 | 1 |
| Super-Scaffold\_110 | chr\_21 | 304262 | 1 |
| Super-Scaffold\_44 | chr\_21 | 743754 | 1 |
| Super-Scaffold\_90 | chr\_22 | 85418 | 1 |
| Super-Scaffold\_27 | chr\_22 | 356802 | -1 |
| Super-Scaffold\_64 | chr\_22 | 379551 | 1 |
| Super-Scaffold\_107 | chr\_23 | 91984 | 1 |
| Super-Scaffold\_98 | chr\_23 | 363554 | -1 |
| Super-Scaffold\_74 | chr\_23 | 669009 | -1 |
| Super-Scaffold\_54 | chr\_24 | 400871 | 1 |
| Super-Scaffold\_25 | chr\_25 | 203656 | 1 |
| Super-Scaffold\_7 | chr\_26 | 149251 | 1 |
| Super-Scaffold\_6 | chr\_26 | 525390 | -1 |
| Super-Scaffold\_5 | chr\_27 | 126850 | -1 |
| Super-Scaffold\_92 | chr\_27 | 336482 | -1 |
| Super-Scaffold\_19 | chr\_27 | 506654 | 1 |
| Super-Scaffold\_51 | chr\_28 | 101721 | 1 |
| Super-Scaffold\_68 | chr\_28 | 407272 | 1 |
| Super-Scaffold\_99 | chr\_3 | 752368 | -1 |
| Super-Scaffold\_24 | chr\_3 | 1202731 | 1 |
| Super-Scaffold\_18 | chr\_3 | 3257995 | -1 |
| Super-Scaffold\_17 | chr\_3 | 7826899 | 1 |
| Super-Scaffold\_70 | chr\_4 | 229429 | 1 |
| Super-Scaffold\_36 | chr\_4 | 695200 | -1 |
| Super-Scaffold\_88 | chr\_4 | 788400 | -1 |
| Super-Scaffold\_10 | chr\_4 | 3064426 | 1 |
| Super-Scaffold\_65 | chr\_4 | 4511879 | 1 |
| Super-Scaffold\_35 | chr\_4 | 5697803 | -1 |
| Super-Scaffold\_12 | chr\_4A | 485424 | 1 |
| Super-Scaffold\_105 | chr\_4A | 1544995 | -1 |
| Super-Scaffold\_104 | chr\_5 | 466620 | 1 |
| Super-Scaffold\_52 | chr\_5 | 627439 | -1 |
| Super-Scaffold\_1 | chr\_5 | 1502460 | -1 |
| Super-Scaffold\_55 | chr\_5 | 2409007 | 1 |
| Super-Scaffold\_47 | chr\_5 | 4131534 | -1 |
| Super-Scaffold\_73 | chr\_5 | 4955029 | 1 |
| Super-Scaffold\_50 | chr\_6 | 68382 | 1 |
| Super-Scaffold\_29 | chr\_6 | 322622 | -1 |
| Super-Scaffold\_67 | chr\_6 | 2085795 | 1 |
| Super-Scaffold\_101 | chr\_6 | 3689565 | 1 |
| Super-Scaffold\_39 | chr\_7 | 97585 | 1 |
| Super-Scaffold\_83 | chr\_7 | 342163 | -1 |
| Super-Scaffold\_103 | chr\_7 | 2165078 | -1 |
| Super-Scaffold\_109 | chr\_7 | 3884732 | -1 |
| Super-Scaffold\_41 | chr\_8 | 1389136 | -1 |
| Super-Scaffold\_16 | chr\_8 | 2256504 | -1 |
| Super-Scaffold\_22 | chr\_9 | 709437 | -1 |
| Super-Scaffold\_3 | chr\_9 | 2046570 | 1 |
| Super-Scaffold\_11 | chr\_Z | 550092 | 1 |
| Super-Scaffold\_75 | chr\_Z | 1636321 | -1 |
| Super-Scaffold\_43 | chr\_Z | 3625804 | -1 |
| Super-Scaffold\_93 | chr\_Z | 5025976 | 1 |
| Super-Scaffold\_69 | chr\_Z | 5275119 | -1 |
| Super-Scaffold\_49 | chr\_Z | 5618693 | -1 |
| Super-Scaffold\_28a | chr\_Z\_random |  |  |
| Super-Scaffold\_2a | chr\_25 |  |  |
| Super-Scaffold\_102a | chr\_Un |  |  |
| Super-Scaffold\_2172a | chr\_Un |  |  |
| Super-Scaffold\_42a | chr\_Z\_random |  |  |
| Super-Scaffold\_59a | chr\_3\_random |  |  |

a based on the zebra finch annotation