**Table A1**. Chromosome location of each marker was obtained after blasting the original sequence against ASM73873v5 RefSeq assembly (GCF\_000738735.5) (*Corvus cornix*).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Locus | Source | Alias | *n* | *k* | *H*o | *H*E | *F*IS | PIC | NE-1P | Genotyping error | Chromosome number | Accession No. | Aligned positions |
| Ck.5A4B | Tarr & Fleisher (1998) | L2 | 103 | 9 | 0.825 | 0.795 | –0.037 | 0.762 | 0.581 | 0 | 2 | NC\_046333.1 | 22,308,906–22,309,151 |
| Ck.5A4D | Tarr & Fleisher (1998) | L3 | 102 | 6 | 0.529 | 0.585 | 0.096 | 0.534 | 0.818 | 0 | 2 | NC\_046333.1 | 88,928,318–88,928,592 |
| Ck.4B6D | Tarr & Fleisher (1998) | L4 | 103 | 5 | 0.641 | 0.656 | 0.023 | 0.588 | 0.768 | 0 | 1A | [NC\_047057.1](https://www.ncbi.nlm.nih.gov/nucleotide/NC_047057.1?report=genbank&log$=nuclalign&blast_rank=1&RID=J3X3JW9W016) | 52,189,947–52,190,264 |
| Ck.5A5G | Tarr & Fleisher (1998) | L5 | 103 | 3 | 0.631 | 0.536 | –0.178 | 0.463 | 0.858 | 0.09 | 2 | [NC\_046333.1](https://www.ncbi.nlm.nih.gov/nucleotide/NC_046333.1?report=genbank&log$=nuclalign&blast_rank=1&RID=J3Y4848G01R) | 95,948,872–95,948,623 |
| Ck.1B5D | Tarr & Fleisher (1998) | L7 | 103 | 6 | 0.796 | 0.750 | –0.061 | 0.708 | 0.657 | 0 | 2 | [NC\_046333.1](https://www.ncbi.nlm.nih.gov/nucleotide/NC_046333.1?report=genbank&log$=nuclalign&blast_rank=1&RID=J3Y4848G01R) | 94,815,524–94,815,790 |
| CmeG9 | Beck et al. (2003) | L8 | 98 | 7 | 0.710 | 0.763 | 0.078 | 0.722 | 0.638 | 0.063 | 1A | [NC\_047057.1](https://www.ncbi.nlm.nih.gov/nucleotide/NC_047057.1?report=genbank&log$=nuclalign&blast_rank=1&RID=J3YFUCT701R) | 52,954,880–52,955,120 |
| CmeH9 | Beck et al. (2003) | L9 | 100 | 5 | 0.485 | 0.580 | 0.174 | 0.490 | 0.828 | 0.08 | 10 | NC\_046340.1 | 15,625,822–15,625,623 |
| CmeH2 | Beck et al. (2003) | L11 | 102 | 8 | 0.873 | 0.832 | –0.049 | 0.805 | 0.515 | 0 | 1A | NC\_047057.1 | 70,321,379–70,321,530 |
| Ck.1B6G | Tarr & Fleisher (1998) | L12 | 103 | 5 | 0.602 | 0.622 | 0.032 | 0.545 | 0.796 | 0 | 4 | NC\_046334.1 | 25,686,942–25,687,198 |
| CoBr19 | Schoenle et al. (2007) | L13 | 102 | 15 | 0.873 | 0.890 | 0.020 | 0.875 | 0.377 | 0 | 6 | NC\_046336.1 | 1,682,841–1,683,234 |
| MJG1 | Li et al. (1997) | L14 | 103 | 14 | 0.883 | 0.875 | -0.010 | 0.858 | 0.410 | 0 | 4A | NC\_047058.1 | 3,588,035–3,588,367 |
| Cb06 | Verdugo et al. (2012) | L15 | 102 | 5 | 0.431 | 0.409 | -0.055 | 0.389 | 0.910 | 0 | No results |  |  |
| Cb20 | Verdugo et al. (2012) | L16 | 102 | 2 | 0.304 | 0.272 | -0.116 | 0.234 | 0.963 | 0 | 3 | NC\_047056.1 | 27,719,566–27,719,678 |
| Cb05 | Verdugo et al. (2012) | L18 | 102 | 3 | 0.441 | 0.495 | 0.109 | 0.393 | 0.879 | 0.008 | 1 | NC\_046332.1 | 55,457,112–55,457,212 |
| ApCo30 | Stenzler & Fitzpatrick (2002) | L19 | 100 | 5 | 0.657 | 0.564 | –0.169 | 0.518\* | 0.831 | 0.05 | 6 | NC\_046336.1 | 4,516,560–4,516,817 |
| ApCo31 | Stenzler & Fitzpatrick (2002) | L20 | 102 | 3 | 0.147 | 0.138 | -0.069 | 0.129 | 0.991 | 0.042 | 8 | [NC\_046338.1](https://www.ncbi.nlm.nih.gov/nucleotide/NC_046338.1?report=genbank&log$=nuclalign&blast_rank=1&RID=J62S9KFR013) | 3,446,703–3,446,886 |
| Global |  |  |  |  | 0.614 | 0.610 | –0.006 | 0.563 | 0.004 | 0.021 |  |  |  |

No result was obtained for L15 even after manually adjusting parameters for short input sequences. However, this sequence (AF026333.1) appears in two unplaced contigs in the GenBank assembly GCA\_000691975.1 of the original species, *Corvus brachyrhynchos*.