**Table 2 Summary of the commonly used circRNA-related annotation databases**

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| --- | --- | --- | --- |
| **Database** | **Number of CircRNAs** | **Short description** | **URL** |
| circBase[72] | 92375 | Provides circRNA genomic information of five species, including genomic position, sequences, and gene symbols | http://www.circbase.org/ |
| circRNADb[73] | 32914 | Provides human circRNAs with protein-coding annotations | http://reprod.njmu.edu.cn/circrnadb |
| CircBank[74] | 140790 | Provides a novel nomenclature system based on the host gene name, chromosome location, and collects circRNA conservation, miRNA binding, protein coding potential, methylation, etc. | http://www.circbank.cn/ |
| CIRCpedia V2[75] | 262782 | Provides annotations for circular RNAs from over 180 RNA-seq datasets across six different species | https://www.picb.ac.cn/rnomics/circpedia/ |
| CircNet 2.0[63] | 289303 | Records the tissue-specific circRNA expression profiles and circRNA-miRNA-gene regulatory network | https://awi.cuhk.edu.cn/~CircNet |
| CircRiC[76] | 92589 | Provides the modules of integrative analysis, drug response, biogenesis, and expression landscape | https://hanlab.uth.edu/cRic/ |
| CircFunBase[77] | 7059 | Records circRNA function, interactions between circRNA and miRNA, and GO annotations | https://bis.zju.edu.cn/CircFunBase/ |
| TRCirc[78] | 92375 | Provides details about over  765 000 transcription factor-circRNA relationships | https://bio.liclab.net/TRCirc |
| deepBase V3.0[79] | Unknown | Provides the annotations and comprehensive expression analysis of circRNAs, lncRNAs, tRFs, and sRNAs for 14 species | https://rna.sysu.edu.cn/deepBase |