**Supplemental Table 1.**

| **Database** | **scRNA-seq Focus?** | **Cardiovascular Focus** | **Gene Query** | **Metadata Explorer** | **Drug-Gene Interaction** | **RNA-Trajectory** | **Data Available for Download** | **Link** | **Reference** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Broad Institute Single Cell Portal | Yes | Some, but mostly general purpose single-cell database | Yes | Yes | No | No | Yes | <https://singlecell.broadinstitute.org/single_cell> | NA |
| CLARA | Yes | Yes, currently 6 datasets | Yes | No | No | No | Some | <https://pinto-lab.shinyapps.io/clara/> | [(1–3)](https://app.readcube.com/library/e6ddebf6-a90f-485d-a131-51d7cb167bd7/all?uuid=07951025083860919&item_ids=e6ddebf6-a90f-485d-a131-51d7cb167bd7:c46a545a-cd55-4536-a049-88fe123f7398,e6ddebf6-a90f-485d-a131-51d7cb167bd7:7beb8ec6-5efc-45de-8848-d1abf8f2fb6d,e6ddebf6-a90f-485d-a131-51d7cb167bd7:3c915ca5-b4d4-4b1b-bf20-4e8691475453) |
| UCSC Cell Browser | Yes | Some, but mostly general purpose single-cell database | Yes | Yes | No | No | Most | [http://cells.ucsc.edu/?](http://cells.ucsc.edu/) | [(4)](https://app.readcube.com/library/e6ddebf6-a90f-485d-a131-51d7cb167bd7/all?uuid=35054167304036654&item_ids=e6ddebf6-a90f-485d-a131-51d7cb167bd7:c0f5f374-25a9-478a-9247-70404a68da84) |
| CARE Portal | Yes | Only one study, based on UCSC | Yes | Yes | No | No | Yes | <http://ns104190.ip-147-135-44.us/data_CARE_portal/snATAC/ucsc_browser/> | [(2)](https://app.readcube.com/library/e6ddebf6-a90f-485d-a131-51d7cb167bd7/all?uuid=7119385725052363&item_ids=e6ddebf6-a90f-485d-a131-51d7cb167bd7:7beb8ec6-5efc-45de-8848-d1abf8f2fb6d) |
| Express Heart | Yes | Yes, currently 5 datasets | Yes | Yes | No | No | No | <http://shiny.bios.unc.edu/expressheart/> | [(1,2)](https://app.readcube.com/library/e6ddebf6-a90f-485d-a131-51d7cb167bd7/all?uuid=03812609261581856&item_ids=e6ddebf6-a90f-485d-a131-51d7cb167bd7:c46a545a-cd55-4536-a049-88fe123f7398,e6ddebf6-a90f-485d-a131-51d7cb167bd7:7beb8ec6-5efc-45de-8848-d1abf8f2fb6d) |
| Heart Cell Atlas | Yes | Only one study, based on UCSC | Yes | Yes | No | No | Yes | <https://www.heartcellatlas.org/> | [(2,5)](https://app.readcube.com/library/e6ddebf6-a90f-485d-a131-51d7cb167bd7/all?uuid=17954650167749453&item_ids=e6ddebf6-a90f-485d-a131-51d7cb167bd7:7beb8ec6-5efc-45de-8848-d1abf8f2fb6d,e6ddebf6-a90f-485d-a131-51d7cb167bd7:c13f5614-fc62-4e05-813d-75e8609178bc) |
| HeartBioPortal | No, GWAS focused | Yes | Yes | No | No | No | No | <https://www.heartbioportal.com/> | [(6–8)](https://app.readcube.com/library/e6ddebf6-a90f-485d-a131-51d7cb167bd7/all?uuid=48972538915743713&item_ids=e6ddebf6-a90f-485d-a131-51d7cb167bd7:30ebdbec-b995-430c-9e87-763bee1edf4c,e6ddebf6-a90f-485d-a131-51d7cb167bd7:f25cd855-661e-412e-9f2b-3d52a37db9e8,e6ddebf6-a90f-485d-a131-51d7cb167bd7:e0b47b2e-4c18-443b-ae79-91eb3c39158b) |
| cBioportal | No, bulk-RNA focused | No, cancer focused | Yes | No | No | No | No | <https://www.cbioportal.org/> | [(9)](https://app.readcube.com/library/e6ddebf6-a90f-485d-a131-51d7cb167bd7/all?uuid=25520495834138246&item_ids=e6ddebf6-a90f-485d-a131-51d7cb167bd7:9c47a858-32ba-4d6e-ad99-48423c77eac6) |
| DISCO | Yes | None | Yes | Yes | No | No | Some | https://www.immunesinglecell.org/ | [(1)](https://app.readcube.com/library/e6ddebf6-a90f-485d-a131-51d7cb167bd7/all?uuid=2297815520395754&item_ids=e6ddebf6-a90f-485d-a131-51d7cb167bd7:c46a545a-cd55-4536-a049-88fe123f7398) |
| **PlaqView** | **Yes** | **Yes** | **Yes** | **Yes** | **Yes** | **Yes** | **Yes** | **plaqview.com** | **NA** |

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