

# Switzerland Omics

## genomics v1.0

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Table 1: Summary of GENetic Sequencing Study Hamburg-Davos (GENESIS-HD) cohorts. \*? ] report the final post-QC sample set of 8351, excluding GIAB, etc.

| Study        | Description  | Pre-QC | Post-QC | Ref                         |
|--------------|--|--------|---------|-----------------------------|
| HCHS         | Hamburg City Health Study (HHS) with deep-phenotyping, including multiomics data, comprehensive imaging, functional testing, and outcome data.   | 8123   | 7397    | ? ]                         |
| Premature MI | Myocardial infarction at age $\leq 50$ years. Young Myocardial Infarction (MIYoung) study, Gutenberg Infarction (GIS), and Biomarkers in Acute Cardiac Care (BACC) study.  | 517    | 441     | ? ]                         |
| INTERCATH    | Invasive coronary angiography, genomic analyses in phenotypes: (i) premature onset of coronary artery disease (CAD), (ii) absence of CAD despite numerous cardiovascular risk factors, and (iii) focal versus diffuse angiographic forms of CAD. | 468    | 405     | ? ]                         |
| AFHRI        | Atrial Fibrillation with High-Risk Individuals (AFHRI) study. Genomics for lone atrial fibrillation; unexplained atrial fibrillation in the absence of conventional risk factors.  | 149    | 108     | <a href="#">NCT05442970</a> |
| GrAPHIC      | Primary dilated cardiomyopathies from the Geno- And PHenotyping of Primary Cardiomyopathy (GrAPHIC) study.   | 47     | 46      | ? ]                         |
| GIAB         | Genome in a bottle (father/mother/son), replicates   | 84     | 81      | <a href="#">NIST GIAB</a>   |
| GENESIS-HD   | CARDIO-CARE DAVOS  | 9388   | 8478*   | ? ]                         |