Pre-composed / pre-coordinated phenotypes

- HPO [10]
- MP [11]
- WP [20]
- FYPO [21]

Post-composed / post-coordinated phenotypes

< Entity : Quality > [37, 38]

- Gene Ontology [24]
- MA [31]
- FMA [30]
- PATO [25]

Multi-species databases

- PhenomicDB [45]
- PhenoHM [52]

Species-specific databases

- MGD [35]
- Worm Base
- FlyBase
- ZFIN [47]
- MIPS ATD

Acquisition

Manual

- OMIM Clinical synopsis [19]
- DECIPHER [36]
- Orphanet [44]

Automatic

- MetaMap [64]
- NCBO Annotator [66]
- NLP & Machine Learning [14, 15, 50, 68]

Manual

- Phenex [68]
- Dahdul et al. [28]
- Mabee et al. [7]

Automatic

- PhenoScape [69]
- Groza et al. [26]
- Oellrich et al. [29]

Processing

- Study cross-species phenotype networks [3, 4, 37, 41]
- Diagnosis prediction [41, 42]
- Disorder taxonomy validation [44]
- Disorder-phenotype analysis [37]
- Drug analysis [17]
- Gene screening, prediction and prioritization [3, 16]

★ Interoperability