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| Function Name | Function Description | Parameters |
| update() | Get SyBA database from GitHub (stable branch). | **verbose (bool)**: Log messages on/off. **True** by default. |
| fixName() | Normalizing gene nomenclature using the SyBA database | **dscp (str):** The gene description to be normalized.  **verbose (bool)**: Log messages on/off. **False** by default. |
| buildQuery() | Construct a search query for Entrez. | **geneName (str):** The gene name to be searched must adhere to the correct format. Utilize the function fixName() to rectify the gene name.  **specieName (str):** The name of the species to be searched, for instance, *Salmonella*.  **searchType (str):** Search category (“Title”, “Abstract”, “All Fields”, “MeSH Terms”). “**All Fields**” by default.  **verbose (bool)**: Log messages on/off. **False** by default. |