NAME

      DownloadPDBFiles.pl - Download PDB files for PDB ID(s)

SYNOPSIS

      DownloadPDBFiles.pl PDBID(s) or PDBIDsTextFile

      DownloadPDBFiles.pl [-c, --colmode *colnum | collabel*] [-d, --dataLocationURL *PDB URL*] [-h, --help] [-d, --dataLocationURL *PDB URL*] [-e, --EDSMap *yes | no*] [--EDSMapLocationURL *EDS Map URL*] [-m, --mode <IDsOnCmdLine | IDsInFile>] [--PDBIDsCol *number | string*] [-w, --WorkingDir dirname] PDBID(s) or PDBIDsTextFile

DESCRIPTION

      Download PDB files corresponding to PDB IDs specified in a column in a CSV/TSV text file or on the command line as space delimited parameters.

OPTIONS

      -c, --colmode *colnum | collabel*

            Specify how columns are identified in a *TextFile* containing PDB IDs: using column number or column label. Possible values: *colnum or collabel*. Default value: *colnum*.

      -d, --dataLocationURL *PDB URL*

            Specify location of PDB URL where data files are available for download. Default value: *http://www.rcsb.org/pdb/files/*.

      -e, --EDSMap *yes | no*

            Download Electron Density Map (EDS) in CCP4 format. Possible values: *Yes or No*. Default value: *no*.

      --EDSMapLocationURL *EDS Map URL*

            Specify location of EDS Map URL where data files are available for download. Default value: *http://www.ebi.ac.uk/pdbe/coordinates/files/*.

      -h, --help

            Print this help message.

      --indelim *comma | semicolon*

            Input delimiter for CSV *TextFile* containing PDB IDs. Possible values: *comma or semicolon*. Default value: *comma*. For TSV files, this option is ignored and *tab* is used as a delimiter.

      -m, --mode <IDsOnCmdLine | IDsInFile>

            Indicate how PDB IDs are specified: PDB IDs are either present as space delimited command line parameters or in a specific column in a CSV/TSV text file. Possible values: *IDsOnCmdLine or IDsInFile*. Default: *IDsOnCmdLine*.

      -p, --PDBIDsCol *number | string*

            Column used to identify PDB ID(s) in a text file. Default value: First column containing text string PDB_ID or <PDBID>.

            For *colnum* value of -c, --colmode option, input value is a column number. Example: *1*.

            For *collabel* value of -c, --colmode option, input value is a column label. Example: *PDB_ID*.

            This option is ignored during *IDsOnCmdLine* value of m, --mode option.

      -w, --WorkingDir *dirname*

            Location of working directory. Default: current directory.

EXAMPLES

      To retrieve a PDB files for PDB ID 2HYY and generate a local 2HYY.pdb file, type:

          % DownloadPDBFiles.pl 2HYY

      To retrieve PDB files for multiple PDB IDs 2HYY and 1KV2 and generate corresponding local PDB files, type:

          % DownloadPDBFiles.pl 2HYY 1KV2

      To download PDB files for PDB IDs present in column name PDB_ID or PDBID in SamplePDBIDs.csv file and generate correponding PDB files, type

          % DownloadPDBFiles.pl –m IDsInFile SamplePDBIDs.csv

      To download PDB files for PDB IDs present in a specific column name in SamplePDBIDs.csv file and generate corepponding PDB files, type

          % DownloadPDBFiles.pl –m IDsInFile –c collabel –p PDB_ID SamplePDBIDs.csv

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SEE ALSO

    ExtractFromPDBFiles.pl, InfoPDBFiles.pl, ModifyPDBFiles.pl

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