

Supplementary Table S1. Cumulative list of external data resources identified as repackaging and redistributing PDB data (Source: *Nucleic Acids Research Molecular Biology Online Database Collection*).

1-9	BIGNASim	ConsensusPathDB	DOMMINO*	G	HRaP - Database of occurrence of HomoRepeats and Patterns in proteomes
16S and 23S Ribosomal RNA Mutation Database	Binding MOAD	ConSurf-DB	DrLLPS	G4LDB	
2P2ldb*	BindingDB	COSMIC	Drosophila polymorphism database	Gene Wiki	
3D rRNA modification maps	BioGPS	CoV3D	DrugCentral	Gene4Denovo	I
3D-Footprint*	BioLiP	CovInDB	DrugSpaceX	GeneCards	IBIS
3D-Interologs	BioMagResBank	CovPDB	DSD*	Genome3D*	IDDB
3DID - 3D interacting domains	BIOZON*	CPDB	DSDBASE	Genomic Threading Database*	IDEAL
3DSwap: Database of Proteins involved in 3D domain Swapping	BRENDA	CPPsite	DualSeqDB	GermOnline	IEDB
	BSDB	CryptoDB - Cryptosporidium database	E	GiardiaDB.org	IEDB-3D*
	BSORF - Bacillus subtilis Open Reading Frames	CSA - Catalytic Site Atlas	EBI Enzyme Portal	Glycan Fragment DB	IGDD*
A	C	CSDBase - Cold Shock Domain database	ECMDB	GlycomeDB	iGNM
ABCD	CADB - Conformational Angles DataBase of Proteins*	CSS - Carbohydrate Structure Suite*	ECOD	GlyTouCan	IMGT/3Dstructure-DB
AcrHub	CAMP	Cube-DB*	eF-site - Electrostatic surface of Functional site*	GPCRDB	IMGT/mAb-DB
ActiveDriverDB	Cancer3D	Cybase	EK3D	gpDB - G-protein database	IMOTdb
ADPriboDB	CancerPPD	D	ELM - Eukaryotic Linear Motif: functional sites in eukaryotic proteins	GproteinDb	INDI
AffinDB*	CancerPPD	Dali database*	EMDDataBank	GTOP - Genomes To Protein structures	Influenza Research Database
Aging Atlas	CancerResource*	DAnCER*	Ensembl	GWIDD	InnateDB
AHTPdb	CanSAR	DARC*	Enzyme Nomenclature	GyDB	IntEnz
Allosteric Database	CAPS-DB	DATF	Epitome	H	Inter-Chain Beta-Sheets*
AlphaFold Protein Structure Database	Carbohydrate Structure Database (CSDB)*	DBAASP	eProS*	H-Invitational Database, an integrated database of human genes and transcripts	InterEvol
AmoebaDB	CARD	DBAli*	euHCVdb	HCAD - Human Chromosome Aberration Database*	InterRNA
AmyPro	CarpeDB	DBD	Europe PubMed Central	HCV Database	iProClass
anti-CRISPRdb	CATH	dbPTM	European Nucleotide Archive	Heme Protein Database	IUBMB Nomenclature database
APD - Antimicrobial Peptide Database	CAZy	dbRIP	EVEREST - EVolutionary Ensembles of REcurrent SegmenTs*	Hemolytik	IVDB - Influenza Virus Database*
ApiDB - Apicomplexan DataBase	CC+	dbSNO*	ExplorEnz	Het-PDB Navi	J
ApoHoloDB	ccPDB	DDBJ	Exposome-Explorer	HIC-Up*	JAIL*
APPRIS	CDD	Death Domain database	EyeSite*	HIV RT and Protease Sequence Database	JASPAR
ArachnoServer*	CFGP	Decoys-R-Us*	EzCatDB	HMDB - The Human Metabolome Database	Jenalib: Jena Library of Biological Macromolecules
ArchDB	CGD - Candida Genome Database	Defensins Knowledgebase	F	HMPD*	JET2 Viewer
AS-ALPS	ChannelsDB	Degradome Database	Factorbook	HOMSTRAD - Homologous Structure Alignment Database	K
ASPD	ChEBI - Chemical Entities of Biological Interest	DEPOD	FAIRDOMHub	Hoppsigen	KBDOCK*
AspGD*	ChemBank	DIGGER	FANTOM	HotRegion*	KIDFamMap
ASPicDB	ChEMBL	DIMA	FireDB	HotSprint*	KinaseMD
ATGC*	ChlamDB	DisProt - Database of Protein Disorder	FireProtDB	HPID - Human Protein Interaction database	Kincore
Autophagy Database	CIPRO	DockCoV2	FlyMine	HPRD - Human Protein Reference Database	KLIFs
AutoPSI*	CMGSDB	Dockground	FragmentStore*		KnotProt
B	CMNPD	DomIns - Database of Domain Insertions*	FungiDB		Knottin database
BACTIBASE	COMBEX*		FuzDB		L
BAlIbase	COME - Co-Ordination of Metals etc.*				Laminin Database
BastionHub	ComSin*				LenVarDB
BCIpep	ConoServer				LigAsite*
Benchmark*					LinkProt
BiGG Models					Lipase Engineering Database

Supplementary Table S1, cont.

LitCovid	BioProject	PEDANT*	PSCDB	SMART	The Complex Portal
LOCATE*	NCBI BioSystems*	Peptaibol	Pseudomonas Genome Database	SMoS.2: Update of database of Structural Motifs in Superfamilies	ThermoMutDB
LOX-DB	NCBI Protein database	Pfam	PTGL	SNAPPI	ThYme
M	NDB	PharmGKB	PubChem	SNPeffect	tmRDB
MACiE	Negatome	Pharos	PylgClassify	SoyKB - Soybean Knowledge Base	TopDB
MALISAM	NetworkKIN	PhaSepPro *	R	Spliceosome Database	TopoSNP
markerDB	neXtProt	PhosphoSitePlus	R.E.DD.B.	SPROUTS*	ToxoDB - The Toxoplasma gondii Genome Database
MatrixDB	NLSdb	PhyTAMP	RAID*	SRPDB*	Transformer*
MegaMotifbase	NMPdb - Nuclear matrix associated proteins database	PIR - Protein Information Resource	RAPID	SSToSS - Sequence-Structural Templates of Single-member Superfamilies	TriTrypDB
Membranome	NP-MRD	piSite	RCSB Protein Data Bank	STAP refinement of NMRdb*	TSTMP
MemMoRF	NONCODE	Plant Reactome	Reactome	Start2Fold	Tumor Associated Gene database
MeMotif*	NORINE	PlantTFDB	RegulonDB now RegulonDB v 10.5	STCRDab	U
MEROPS	NP-IDB (Nucleic acids & Protein Interaction DataBase)	Platinum*	REPAIRtoire	STINGreport	UCSC Genome Browser
MetaBioME*	NURSA	PLPMDB*	RepeatsDB	STRING	UCSD-Nature Signaling Gateway Molecule Pages*
MetaCyc	O	PMDb - Protein Model Database*	Rfam	Structure Superposition Database	Uniclust
MetalPDB	O-GLYCBASE	PncsHub	Ribonuclease P Database*	SubtiWiki	UniProt
metaTIGER	OMPdb*	Pocketome*	RNA Bricks	SugarBindDB	V
MHCBN	ONQUADRO	Polbase*	RNA CoSSMos*	SuperCYP*	ValidatorDB
MicrobesOnline	OnTheFly	PortEco	RNA FRABASE	SuperDrug*	ValidNESS*
MicrosporidiaDB	Ontobee	PoSSuM	RNA SSTRAND	SuperPain*	VDJdb
MimoDB	Open Targets	PPD	RNAcentral	SuperSweet*	VectorBase
MINAS	OPM	PPT-DB	RNAjunction	SuperTarget*	VEuPathDB
MIPModDB	ORENZA*	prePPI	RNApathwaysDB*	SuperToxic*	VIDA*
MitoProteome	P	PREX	RNAArchitecture	SWEET-DB	VIOLIN
MMCD	P3DB	PRIDE	RsiteDB	SWISS-2DPAGE	VIPERdb
MMDB*	PAMDB	proChIPdb	S	SWISS-MODEL Repository	ViPR
MMsINC	Papillomavirus Episteme	ProDom*	SAbDab	SYNBIP	VirusSurf
MobiDB	PASS2	ProGlycProt	SASBDB	SynSysNet*	Voronia*
ModBase	Pathguide	PROMISCUOUS*	SATPdb	SZGR	Voronia4RNA*
MODOMICS	PATRIC, the bacterial bioinformatics database and analysis resource*	ProNAB	sc-PDB	T	W
MoKCa	PDB facilities*	ProSAS*	SchistoDB*	T-psi-C	WDSPdb*
MolMovDB - Database of Macromolecular Movements	PDB_TM	PROSITE	SCO2 - Structural Classification Of Proteins	T3DB	WholeCellKB - Model Organism Databases for Comprehensive Whole-Cell Models
MoonProt	PDBe	PROTAC-DB	SCOpe	TAED - The Adaptive Evolution Database	WITHDRAWN*
Mouse Genome Database (MGD)	PDBj	ProtChemSI	SCOPPI	Target-Pathogen	Wnt Database
MP:PD*	PDBsum	Protegen*	SCoV2-MD	TCDB	Y
MPDB - Molecular Probe Database	pE-DB*	Protein kinase resource*	SDAP	Telomerase database	Yeast Resource Center
MuIPSSM		Protein-protein interfaces	SecRet4	TFClass	
MultiTaskDB		Proteome-pl	SFLD		
MutDB*		ProteomeScout	SGD - Saccharomyces Genome Database		
mutLBSgeneDB		ProTeus*	SIFTS		
N		ProTherm	SISYPHUS*		
Nanobase.org		ProtoNet*	SitEx*		
NBDB		ProtozoaDB*			
NCBI BioSample/					

*Databases that have ceased operations as of August 15, 2022.