

Additional materials to the article

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SUPPLEMENTARY FIGURES

1a-isolate-H77	: 100
1b-isolate-HCJ1	: 100
1b-isolate-Con1	: 100
1b-isolate-HCJT	: 100
1b-isolate-BK	: 100
1b-isolate-HCR6	: 100
cons	: 100
1a-isolate-H77	ETHVTGGNAGRTTAGLVGLLTPGAKQNIQLINTNGSWHINSTALNCNESLNTGWLAGLFYQHK
1b-isolate-HCJ1	ETIVSGGQAARAMSGLVSLFTPAGAKQNIQLINTNGSWHINSTALNCNESLNTGWLAGLIYQHK
1b-isolate-Con1	GTYYVTGGTMAKNLTGITSLSFGSSQKIQLVNTNGSWHINRTALNCNDSLNTGFLAALFYVHK
1b-isolate-HCJT	VTYTTGGSQARHTQSVTSFFTQGAQRIQLINTNGSWHINRTALNCNESLNTGFFAALFYAHK
1b-isolate-BK	DTHVTGGAAQAKTTNRLVSMFASGPSQKIQLINTNGSWHINRTALNCNDSLQTFGLAALFYTHS
1b-isolate-HCR6	ETRVTGGQIARNAYSLTTLFSSGSAQNIQLINTNGSWHINRTALNCNDSLNTGFLAALFYTHK
cons	* .: ** .: .: .: * . * . * . * . * . * . * . * . * . * . * .
1a-isolate-H77	FNSSGCPERLASCRRLLTDFQAQGWGPISYANGSGLDERPYCWHYPPRCGIVPAKSVCGPVYCF
1b-isolate-HCJ1	FNSSGCPERLASCRRLLTDFQAGWGPISHANGSGDQRPYCWHPKPGCIVPAKSVCGPVYCF
1b-isolate-Con1	FNSSGCPERMASCSPIDAFQAQGWGPITYNESHSSDQRPYCWHPKPGCIVPAAQVCGPVYCF
1b-isolate-HCJT	FNSSGCPERMASCSSIDKFAQGWGPITYTEPRDLQRPYCWHPKPGCIVPASQVCGPVYCF
1b-isolate-BK	FNSSGCPERMAQCRTIDKFDQGWGPITYAESRSRQRPYCWHPKPGCIVPASEVCGPVYCF
1b-isolate-HCR6	FNASGCPERLASCRRPIDKFDQGWGPITYAEQGGQDQRPYCWHPKPGCIVSASKVCGPVYCF
cons	** . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * .
1a-isolate-H77	TPSPVVVGTTDRSGAPTYSWGANDTDVFLNNTRPPLGNWFGCTWMNSTGFTKVCGAPPCVIG
1b-isolate-HCJ1	TPSPVVVGTTDRSGAPTYNWGANDDTDVFLNNTRPPLGNWFGCTWMNSTGFTKVCGAPPCVIG
1b-isolate-Con1	TPSPVVVGTTDRFGVPTYSWGNETDVLLNNTRPQGNWFGCTWMNSTGFTKTCGGPPCNIG
1b-isolate-HCJT	TPSPVVVGTTDRSGAPTYNWGANETDVLLNNTRPQGNWFGCTWMNSTGFTKTCGGPPCNIG
1b-isolate-BK	TPSPVVVGTTDRFGVPTYRWGENETDVLLNNTRPQGNWFGCTWMNSTGFTKTCGGPPCNIG
1b-isolate-HCR6	TPSPVVVGTTDRFGVPTYSWGNETDVLLNNTRPQGNWFGCTWMNSTGFTKTCGGPPCNIG
cons	***** * . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * .
1a-isolate-H77	GVGNNTLLCPTDCFRKYPEATYSRCGSGPRITPRCMVDYPYRLWHYPCTINYTIKVRMYVGG
1b-isolate-HCJ1	GGGNNTLHCPTDCFRKHPEATYSRCGSGPWITPRCLVDYPYRLWHYPCTINYTIKVRMYVGG
1b-isolate-Con1	GIGNKTLTCTDCFRKHPEATYTKCGSGPWLTPRCLVHYRYLWHYPCTVNFITIKVRMYVGG
1b-isolate-HCJT	GVGNLTLCPTDCFRKHPEATYTKCGSGPWLTPRCIVDYPYRLWHYPCTVNFITIKVRMYVGG
1b-isolate-BK	GVGNNTLTCPTDCFRKHPEATYTKCGSGPWLTPRCMVDYPYRLWHYPCTVNFITIKVRMYVGG
1b-isolate-HCR6	GGGNNTLTCPTDCFRKHPEATYTKCGSGPWLTPRCLVDYPYRLWHYPCTANFTIKVRMYVGG
cons	* * * * * * . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * .
1a-isolate-H77	VEHRLAACNWTRGERCDLEDNRSELSPLLLSTTQWQVLPSCFTTLPALSTGLIHLHQNIVD
1b-isolate-HCJ1	VEHRLAACNWTRGERCDLEDNRSELSPLLLSTTQWQVLPSCFTTLPALSTGLIHLHQNIVD
1b-isolate-Con1	VEHRLAACNWTRGERCNLEDNRSELSPLLLSTTEWQVLPSCFTTLPALSTGLIHLHQNVVD
1b-isolate-HCJT	VEHRLAACNWTRGERCDLEDNRSELSPLLLSTTEWQVLPSCFTTLPALSTGLIHLHQNIVD
1b-isolate-BK	VEHRLAACNWTRGERCDLEDNRPELSPLLLSTTEWQVLPSCFTTLPALSTGLIHLHQNIVD
1b-isolate-HCR6	VEHRLAACNWTRGERCNLEDNRLELSPLLLSTTEWQVLPSCFTTLPALSTGLIHLHQNIVD
cons	***** . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * .
1a-isolate-H77	VQYLYGVGSSIASWAIKWEYVLLFLLADARVCSCLWMLLIQAQA
1b-isolate-HCJ1	VQYLYGVGSSIASWAIKWEYVLLFLLADARVCSCLWMLLIQAQA
1b-isolate-Con1	VQYLYGIGSAVVSFAIKWEYVLLFLLADARVCACLWMLLIQAQA
1b-isolate-HCJT	VQYLYGIGSAVVSFVIKWEYVLLFLLADARVCACLWMLLIQAQA
1b-isolate-BK	VQYLYGIGSAVVSFAIKWEYVLLFLLADARVCACLWMLLIQAQA
1b-isolate-HCR6	VQYLYGIGSAVVSFAIKWDYVLLFLLADARVCACLWMLLIQAQA
cons	***** . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * . * .

Fig S1. Multiple sequence alignment among several isolates revealing highly conserved protein.

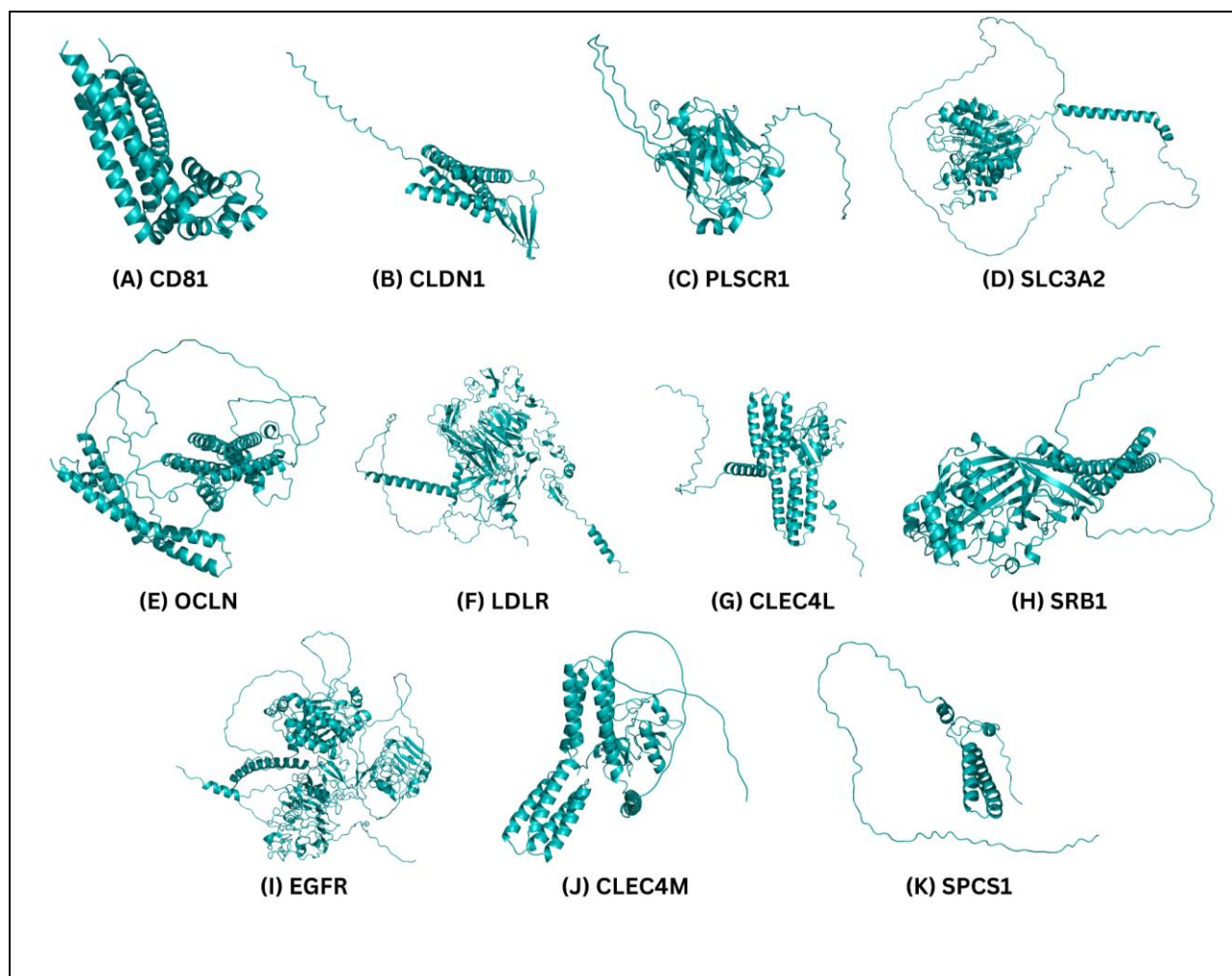


Fig. S2. The 3D illustration of human interacting proteins.

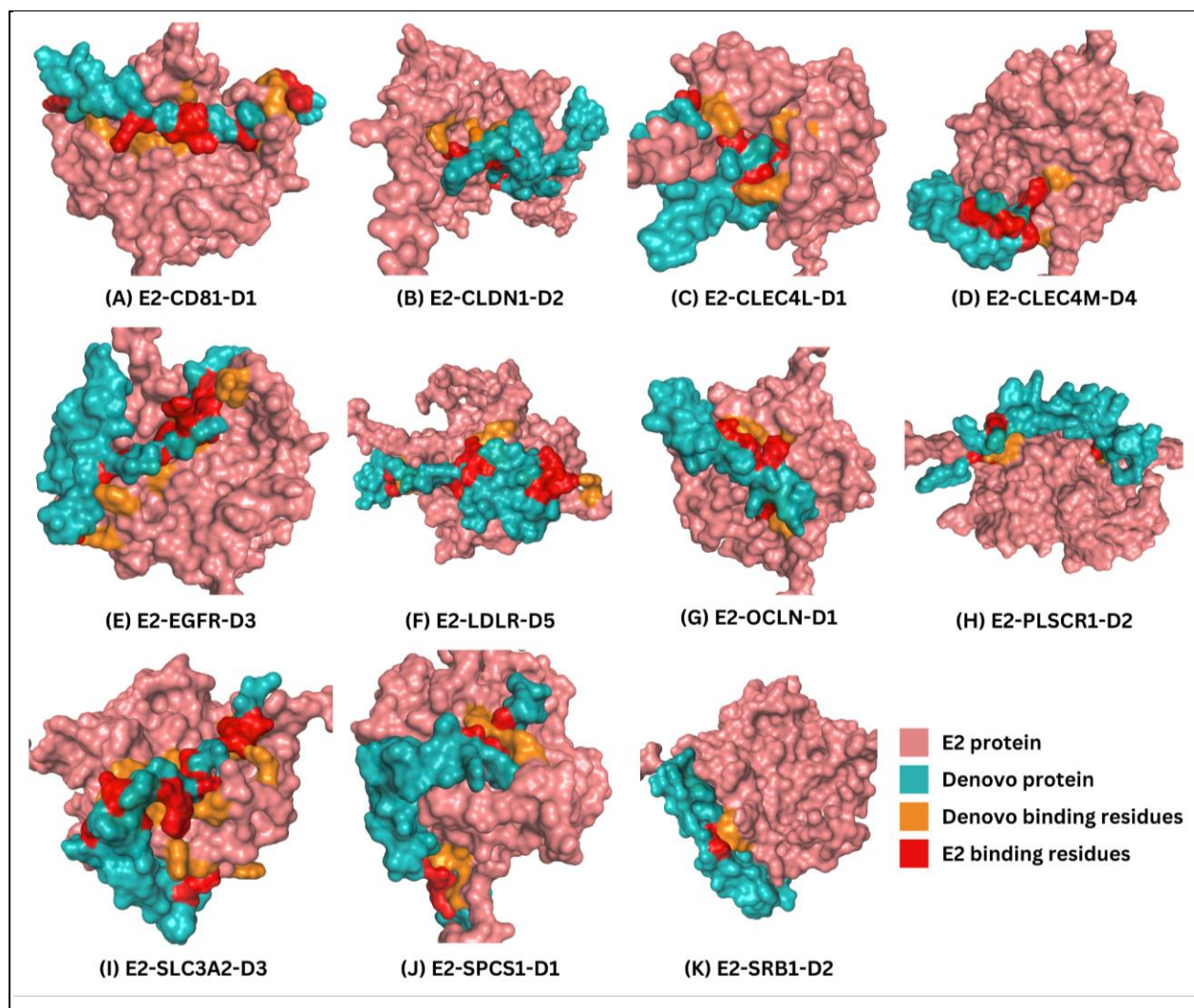


Fig. S3. The surface view of protein E2 screened against *de novo* proteins of respective human interacting partners.

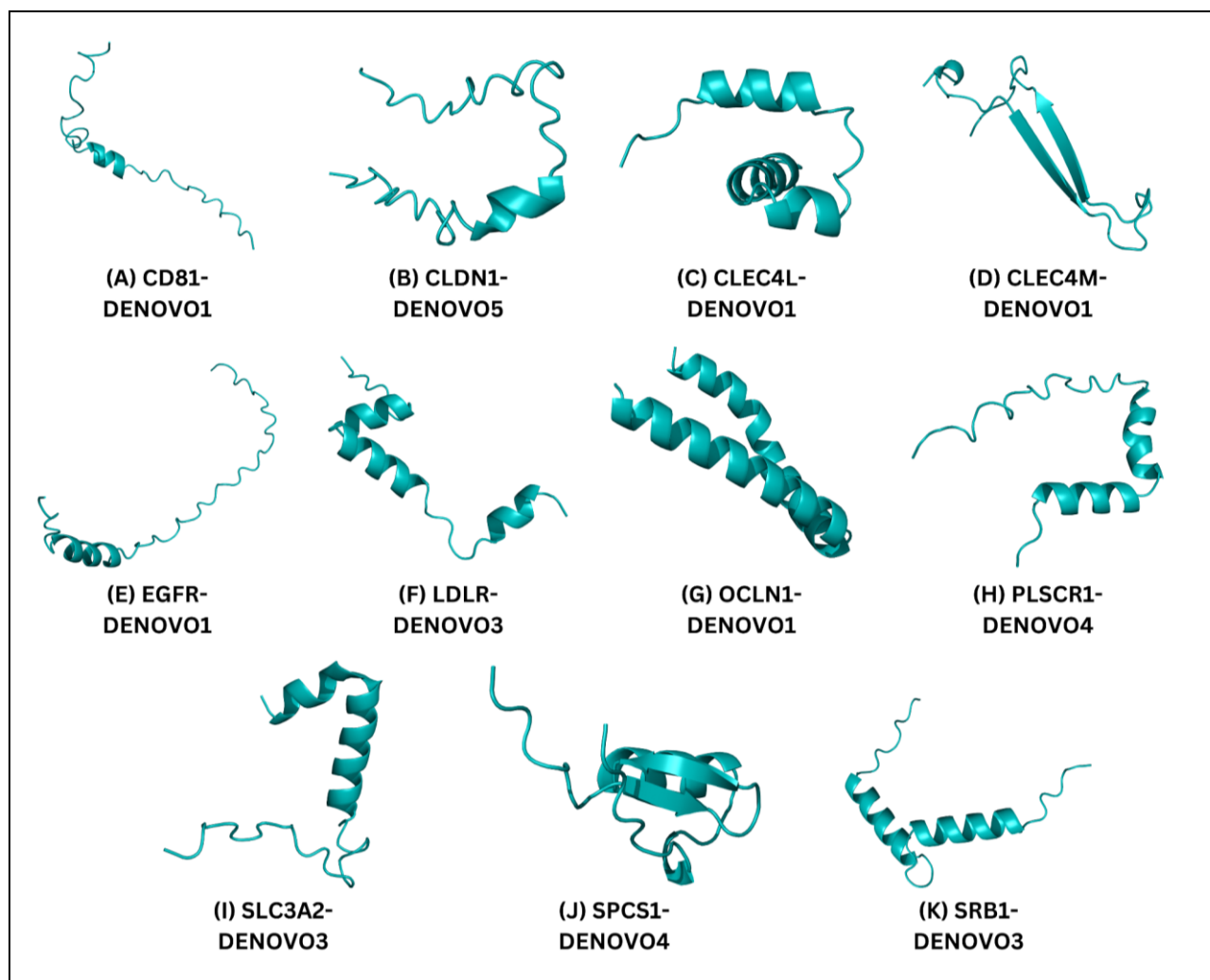


Fig. S4. The 3D illustration of human interacting proteins with *de novo* proteins.