

Fig. S1

A

EAT40301.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XM_001658698.3	M	L	I	S	C	S	V	R	S	T	H	F	V	R	A	I	S	Y	R	D	Y	K	I	S	I	L	E	L	V	W
DmNobo_WT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EAT40301.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	S	K	P	V	L	Y	Y	D
XM_001658698.3	I	V	F	N	F	C	F	S	F	L	F	L	F	G	F	C	L	E	D	L	T	M	S	K	P	V	L	Y	Y	D
DmNobo_WT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	S	Q	P	K	P	I	L	Y	Y	D
EAT40301.1	D	I	S	P	P	V	R	G	V	L	L	T	V	A	A	L	G	I	K	D	Q	V	E	L	K	L	V	R	L	F
XM_001658698.3	D	I	S	P	P		R	G	V	L	L	T	V	A	A	L	G	I	K	D	Q	V	E	L	K	L	V	R	L	F
DmNobo_WT	E	R	S	P	P	V	R	S	C	L	M	L	I	K	L	L	D	I	D	-	-	V	E	L	R	F	V	N	L	F
EAT40301.1	E	R	E	H	L	L	E	D	F	V	K	L	N	P	L	H	A	V	P	V	L	K	H	D	D	L	V	L	T	D
XM_001658698.3	E	R	E	H	L	L	E	D	F	V	K	L	N	P	L	H	A	V	P	V	L	K	H	D	D	L	V	L	T	D
DmNobo_WT	K	G	E	Q	F	Q	K	D	F	L	A	L	N	P	Q	H	S	V	P	T	L	V	H	G	D	L	V	L	T	D
EAT40301.1	S	H	A	I	I	M	Y	L	C	D	I	F	G	Q	D	G	D	F	S	L	K	D	P	K	Q	R	A	R	V	H
XM_001658698.3	S	H	A	I	I	M	Y	L	C	D	I	F	G	Q	D	G	D	F	S	L	K	D	P	K	Q	R	A	R	V	H
DmNobo_WT	S	H	A	I	L	I	H	L	A	E	K	F	D	E	G	G	S	L	W	P	Q	E	H	A	E	R	M	K	V	L
EAT40301.1	N	R	L	C	F	N	N	A	V	L	F	Q	R	E	S	I	V	M	R	G	L	I	N	R	S	I	V	T	L	E
XM_001658698.3	N	R	L	C	F	N	N	A	V	L	F	Q	R	E	S	I	V	M	R	G	L	I	N	R	S	I	V	T	L	E
DmNobo_WT	N	L	L	L	F	E	C	S	F	L	F	R	R	D	S	D	F	M	S	A	I	V	R	Q	G	F	A	N	V	D
EAT40301.1	D	-	H	H	L	K	P	V	Q	E	A	Y	D	C	L	E	V	Y	L	T	N	S	K	F	V	A	C	D	Q	L
XM_001658698.3	D	-	H	H	L	K	P	V	Q	E	A	Y	D	C	L	E	V	Y	L	T	N	S	K	F	V	A	C	D	Q	L
DmNobo_WT	V	A	H	H	E	R	K	L	T	E	A	Y	I	I	M	E	R	Y	L	E	N	S	D	F	M	A	G	P	Q	L
EAT40301.1	T	V	A	D	F	P	I	V	A	C	M	S	T	V	G	M	V	C	P	L	S	T	S	R	W	P	K	T	A	A
XM_001658698.3	T	V	A	D	F	P	I	V	A	C	M	S	T	V	G	M	V	C	P	L	S	T	S	R	W	P	K	T	A	A
DmNobo_WT	T	L	A	D	L	S	I	V	T	T	L	S	T	V	N	L	M	F	P	L	S	-	-	Q	F	P	R	L	R	R
EAT40301.1	W	F	E	T	M	K	Q	L	P	Y	Y	Q	Q	A	N	Q	V	G	V	D	K	L	K	E	R	L	H	A	V	M
XM_001658698.3	W	F	E	T	M	K	Q	L	P	Y	Y	Q	Q	A	N	Q	V	G	V	D	K	L	K	E	R	L	H	A	V	M
DmNobo_WT	W	F	T	A	M	Q	Q	L	D	A	Y	-	E	A	N	C	S	G	L	E	K	L	R	Q	T	M	E	S	V	G
EAT40301.1	K	K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220aa													
XM_001658698.3	K	K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	271aa													
DmNobo_WT	S	F	Q	F	P	S	S	S	A	V	V	T	E	K	V	E	232aa													

B

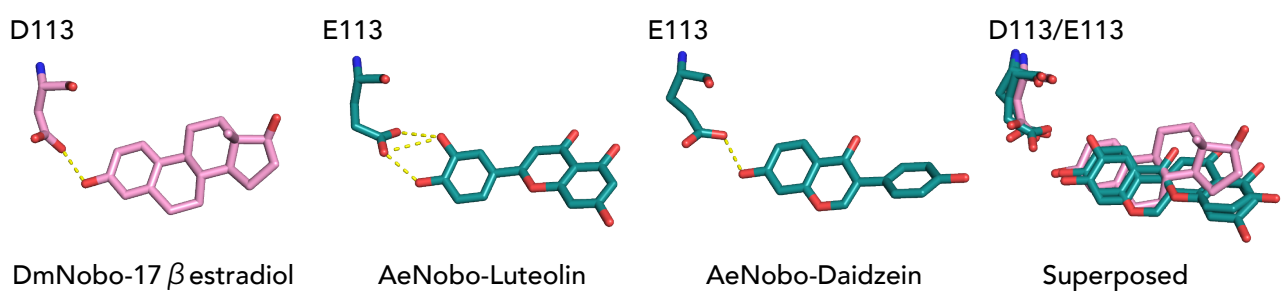


Fig. S2

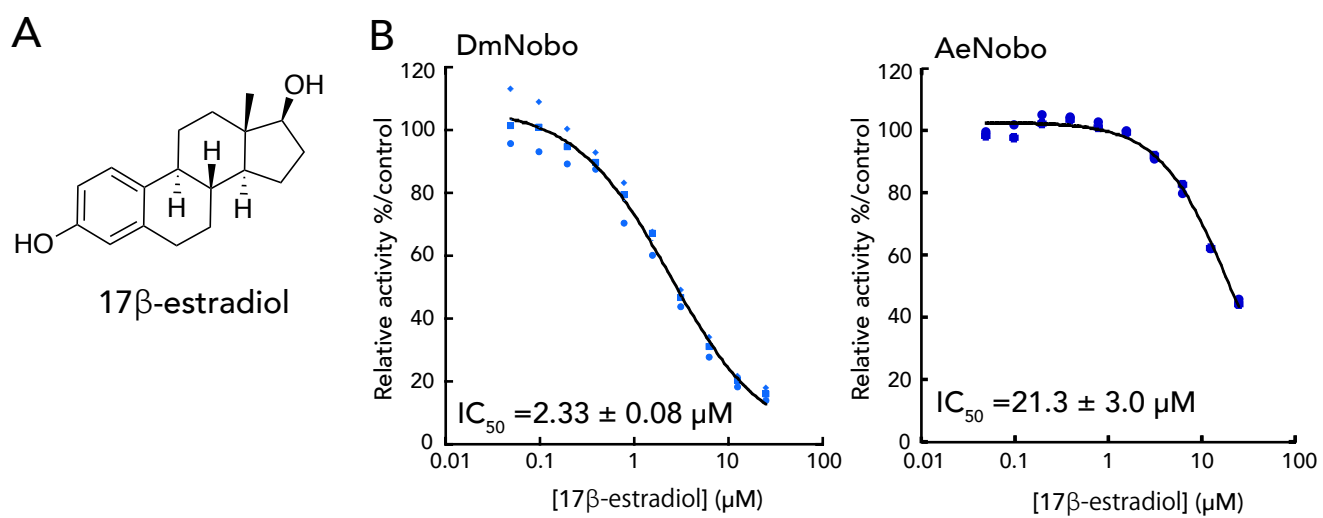


Fig. S3

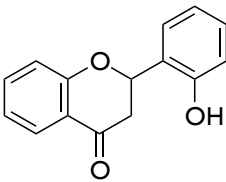
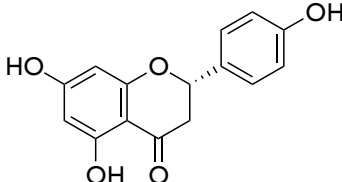
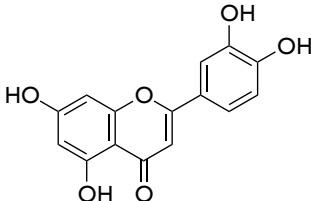
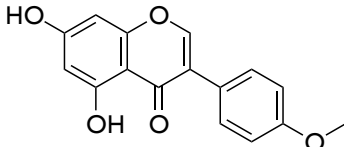
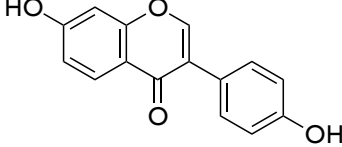
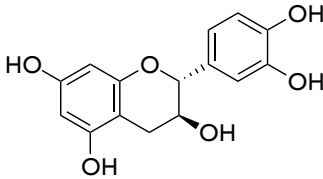
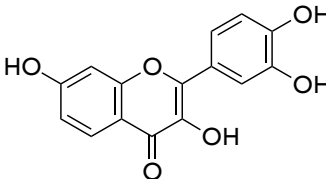
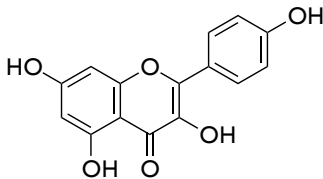
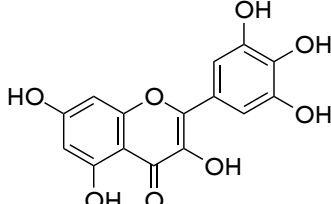
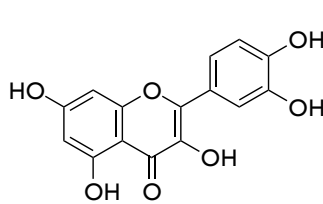
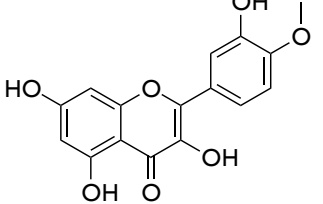
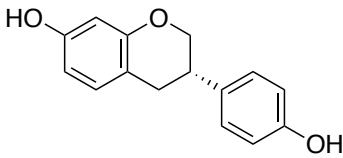
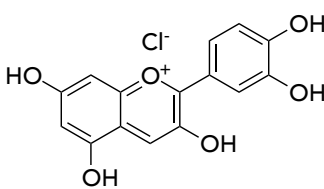
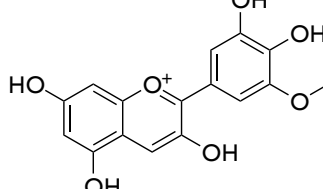
Subclass	Chemical structure		
Flavanone			
	2'-hydroxyflavanone	Naringenin	
Flavone			
	Luteolin		
Isoflavone			
	Biochanin A	Daidzein	
Flavonol			
	(+)Catechin hydrate	Fisetin	Kaempferol
			
	Myricetin	Quercetin	Tamarixetin
Isoflavan			
	S-equol		
Anthocyanidin			
	Cyanidin chloride	Petunidin	

Fig. S4

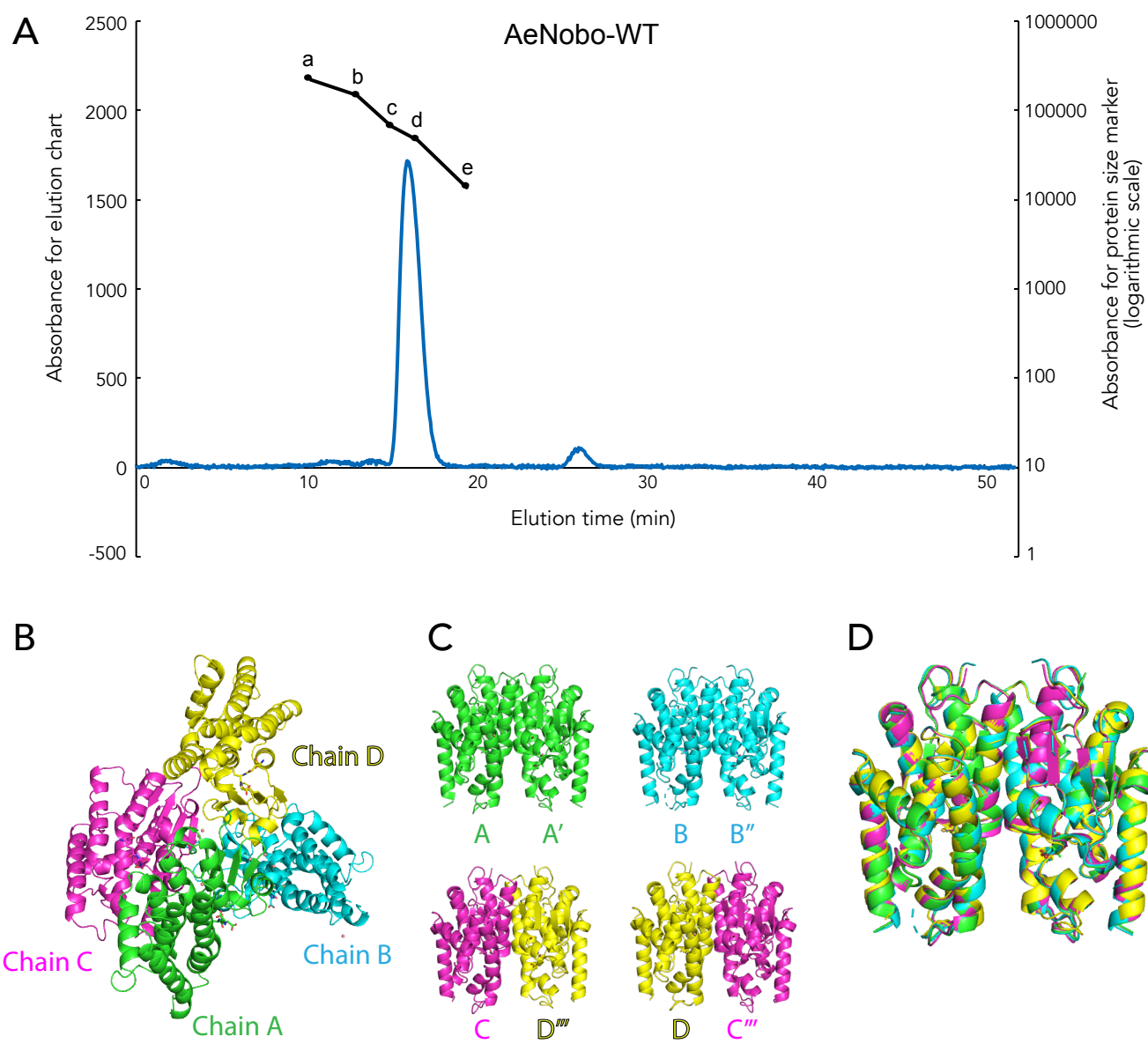


Fig. S5

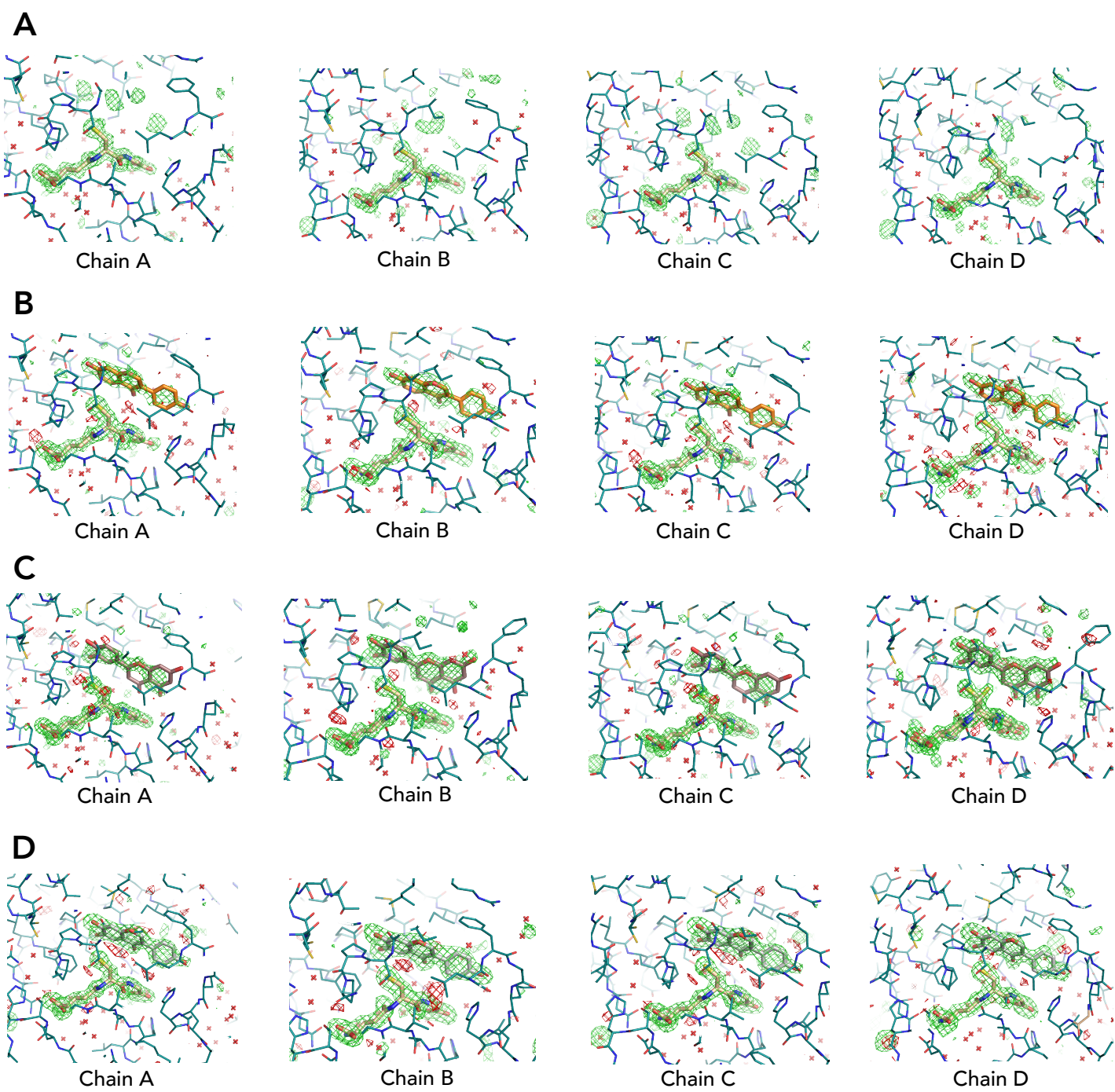


Fig. S6

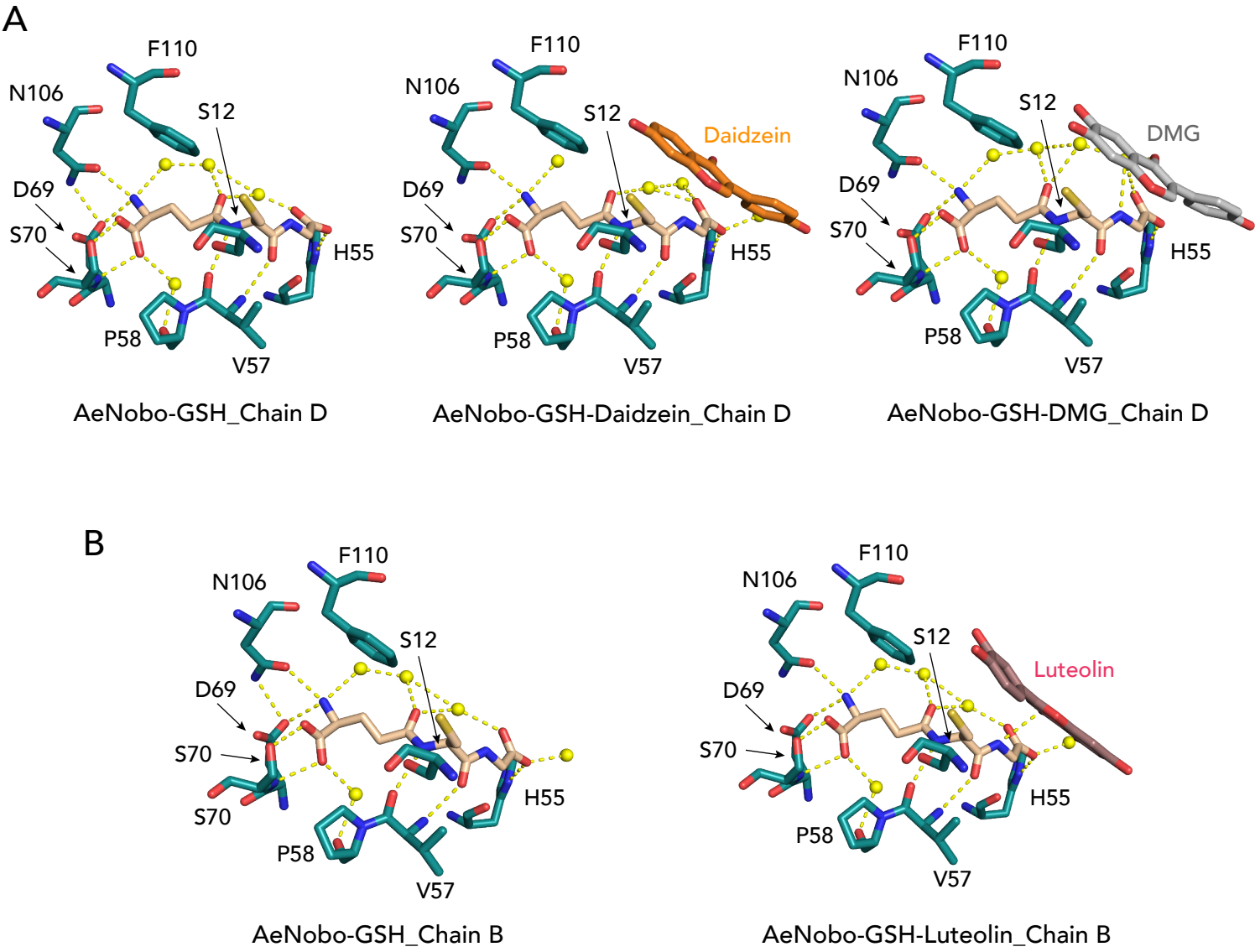


Fig. S7

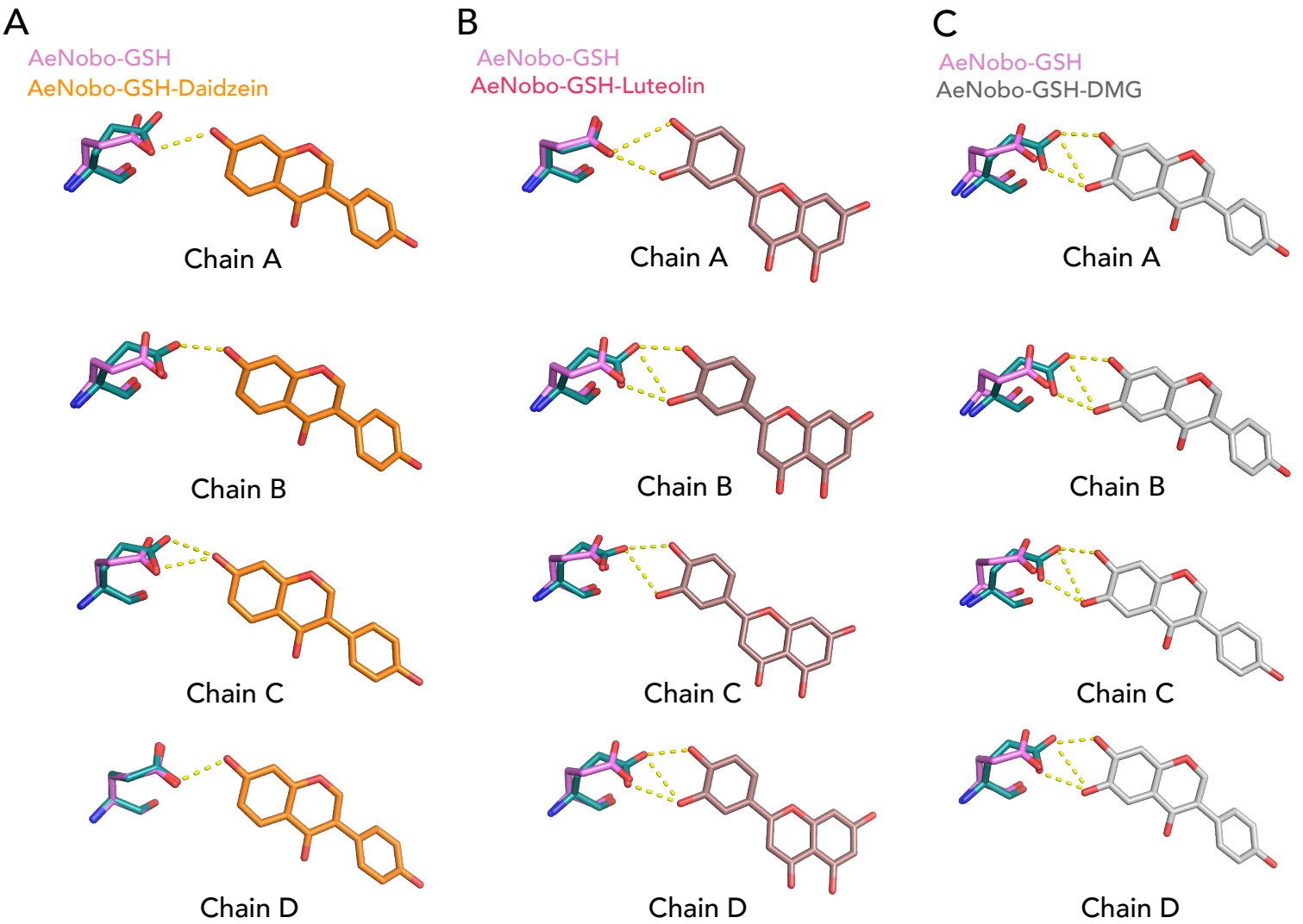


Fig. S8

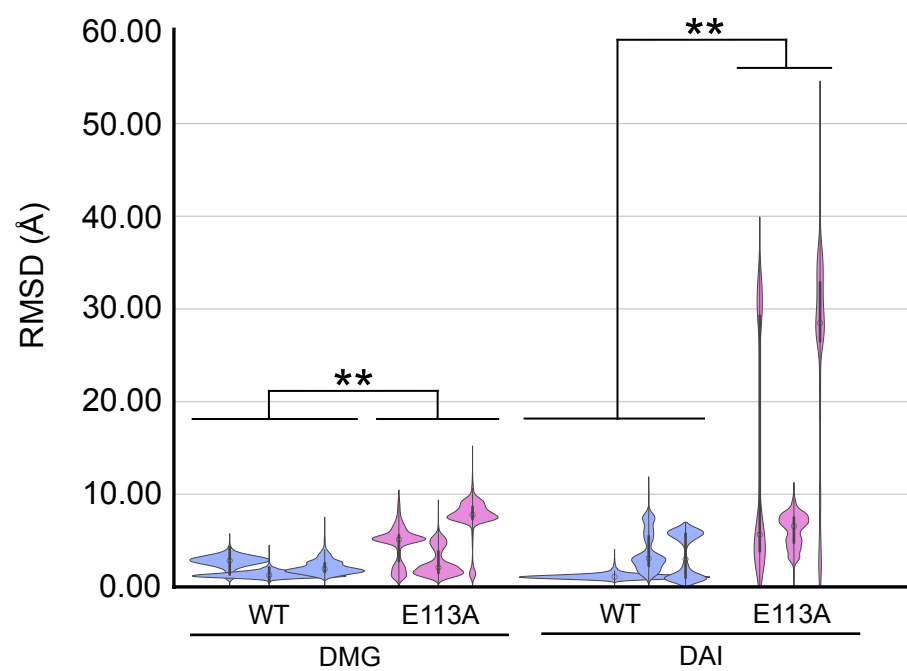


Fig. S9

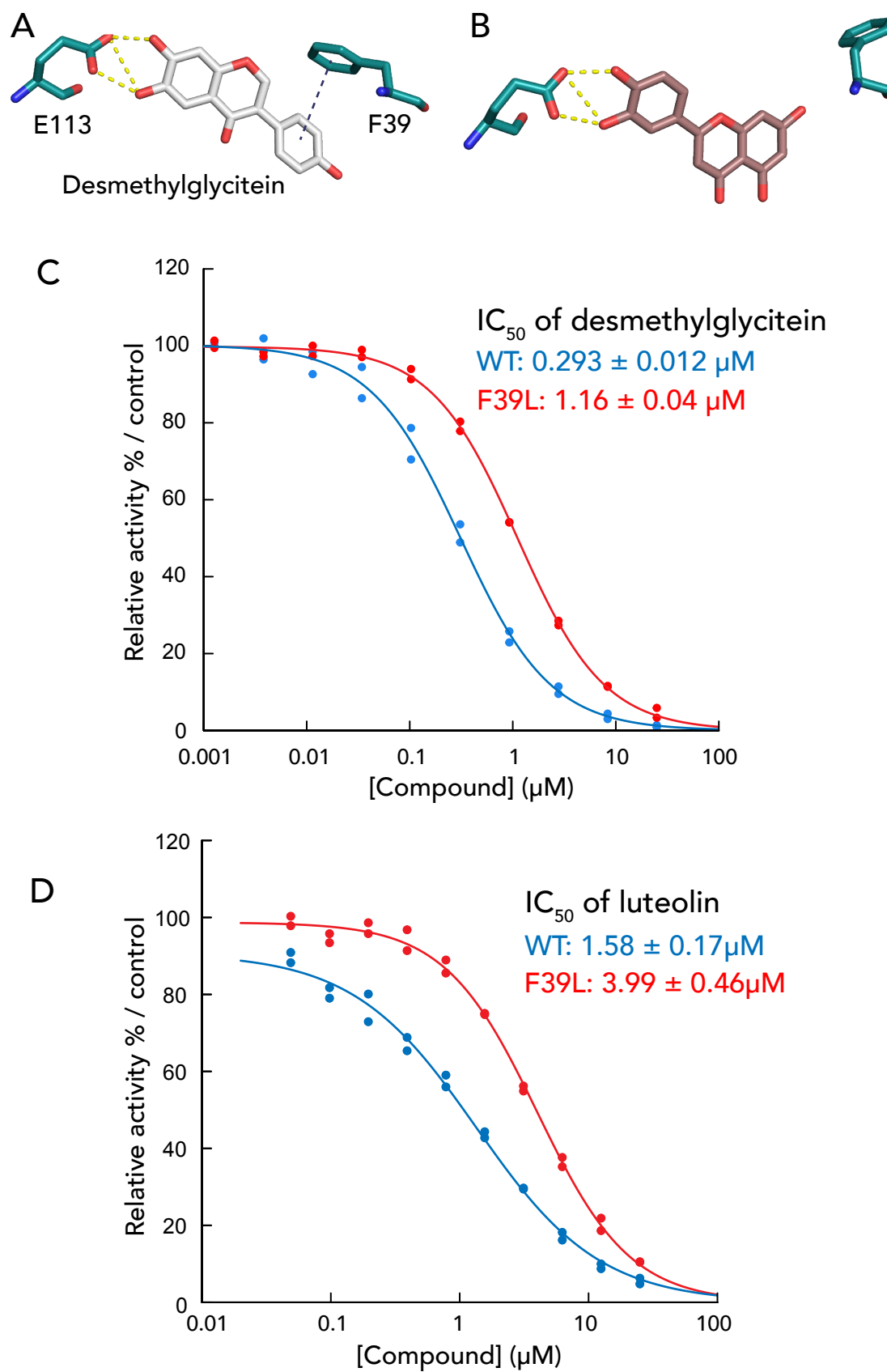


Fig. S10

