

Supplementary material

Supplementary Table 1 Molecular docking analysis results

Ligand	Receptor	Highest Vina score	Cavity volume (Å ³)	Centre (x, y, z)	Docking size (x, y, z)	Contact residues
NR4A1	Apigenin	-8.2	535	-10,-18,69	21,21,21	LEU118A,LEU175A,LEU224A,GLU114A,ARG232A
	Emodin	-7.4	535	-10,-18,69	19,19,19	LEU178A,VAL179A,GLN197A,ALA201A,LEU224A,LEU225A,LEU228A,LEU178A,ARG232A
	Genistein	-7.8	535	-10,-18,69	21,21,21	LEU118A,LEU175A,LEU178A,VAL179A,LEU224A,LEU228A,GLU114A,GLN197A,ARG232A
	Kaempferol	-7.8	535	-10,-18,69	21,21,21	VAL179A,THR182A,LEU224A,LEU225A,LEU228A,GLU114A,ARG184A,ARG232A
	Quercetin	-7.7	535	-10,-18,69	21,21,21	LEU118A,LEU175A,LEU178A,LEU224A,LEU228A,GLU114A,THR182A
NR4A2	Apigenin	-7.7	15818	-32,24,48	35,35,35	ASN497A,ASP499A,PHI541B,SER366B,ASN542B,TYR453A
	Emodin	-7.6	15818	-32,24,48	35,35,35	GLN494B,SER366A,ARG370A,TYR453B
	Genistein	-7.5	15818	-32,24,48	35,35,35	ASN497A,ASP499A,PHI541B,SER363B,SER366

					B, TYR453A, GLN494A, ASN542B
Kaempferol	-7.9	15818	-32,24,48	35,35,35	ILE365A, TYR453B, ARG454B, ILE500B, ARG370A, ILE498B, SER501A
Quercetin	-8.2	15818	-32,24,48	35,35,35	ILE365A, TYR453B, ARG454B, ILE500B, ARG370A, ILE498B, SER501A
