

Supplementary Table S2E. Corresponding Targets of DS					
Herb Name	Mol ID	Chemical Name	Protein Name	Symbol	Sources
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	mitogen-activated protein kinase 8	MAPK8	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	matrix metalloproteinase 9 (gelatinase B, 92kDa)	MMP9	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	caspase 3, apoptosis-related cysteine peptidase	CASP3	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	jun proto-oncogene	JUN	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	FBI murine osteosarcoma viral oncogene homolog	FOS	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cyclin-dependent kinase 2	CDK2	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	epidermal growth factor receptor (1210 aa)	EGFR	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	SMAD family member 2	SMAD2	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cyclin A2	CCNA2	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	v-akt murine thymoma viral oncogene homolog	AKT1	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	15-hydroxyprostaglandin dehydrogenase	HPGD	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Cytochrome P450 Family 1 Subfamily A Member	CYP1A2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	casein kinase 1 gamma 2	CSNK1G2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	CDC like kinase 3	CLK3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	CDC Like Kinase 1	CLK1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	serine/threonine kinase 16	STK16	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Pim-2 proto-oncogene, serine/threonine kinase	PIK2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	carbonyl reductase 3	CBR3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	arachidonate 15-lipoxygenase type B	ALOX15B	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Cytochrome P450 3A4	CYP3A4	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	arachidonate 15-lipoxygenase	ALOX15	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	MCL1 apoptosis regulator, BCL2 family member	MCL1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	aldehyde dehydrogenase 1 family member A1	ALDH1A1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	survival of motor neuron 2, centromeric	SMN2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Microtubule Associated Protein Tau	MAPT	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Cytochrome P450 2D6	CYP2D6	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Cytochrome P450 2C19	CYP2C19	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Cytochrome P450 family 2 subfamily C member	CYP2C9	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	glutathione S-transferase omega 1	GSTO1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	glucosidase alpha, acid	GAA	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	BLM RecQ like helicase	BLM	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	alkaline phosphatase, intestinal	ALPI	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	tyrosinase	TYR	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	glycogen synthase kinase 3 alpha	GSK3A	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	glycogen synthase kinase 3 beta	GSK3B	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cyclin B2	CCNB2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Cyclin-dependent kinase 1	CDK1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cyclin B1	CCNB1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cyclin B3	CCNB3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cyclin dependent kinase 5	CDK5	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cyclin dependent kinase 5 regulatory subunit 1	CDK5R1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	glyoxalase I	GLO1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	xanthine dehydrogenase	XDH	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	nuclear receptor subfamily 3 group C member 1	NR3C1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	androgen receptor	AR	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	monoamine oxidase A	MAOA	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	DNA polymerase beta	POLB	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	platelet activating factor acetylhydrolase 1b cati	PAFAH1B2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	platelet activating factor acetylhydrolase 1b cati	PAFAH1B3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cytochrome P450 family 1 subfamily A member	CYP1A1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Cytochrome P450 1B1	CYP1B1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	bromodomain adjacent to zinc finger domain 2B	BAZ2B	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	NADPH oxidase 4	NOX4	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	frataxin	FXN	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	TNF receptor superfamily member 10b	TNFRSF10B	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	ATP-binding cassette super-family G member 2	ABCG2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	DNA polymerase kappa	POLK	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	DNA Polymerase iota	POLI	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	DNA Polymerase Eta	POLH	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	flap structure-specific endonuclease 1	FEN1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	CD38 molecule	CD38	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	WRN RecQ like helicase	WRN	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	T cell receptor alpha locus	TRA	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	dopamine receptor D3	DRD3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	phosphatidylinositol-5-phosphate 4-kinase type	PIPK42A	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	matrix metalloproteinase 2	MMP2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	matrix metalloproteinase 3	MMP3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	matrix metalloproteinase 12	MMP12	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	matrix metalloproteinase 13	MMP13	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	G protein-coupled receptor 35	GPR35	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	ATP binding cassette subfamily B member 1	ABCB1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	spleen associated tyrosine kinase	SYK	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cystic fibrosis transmembrane conductance regulator	CFTR	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Rap guanine nucleotide exchange factor 3	RAPGEF3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	poly(ADP-ribose) polymerase 1	PARP1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	frms related tyrosine kinase 3	FLT3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	tankyrase	TNKS	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	tankyrase 2	TNKS2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	PC4 and SFRS1 interacting protein 1	PSIP1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	cytochrome b-245 beta chain	CYBB	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	aldo-keto reductase family 1 member B	AKR1B1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	arachidonate 5-lipoxygenase	ALOX5	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	amyloid beta precursor protein	APP	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	nuclear factor kappa B subunit 1	NFKB1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	nuclear factor kappa B subunit 2	NFKB2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	v-rel reticuloendotheliosis viral oncogene homolog	RELA	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Casein kinase II subunit alpha	CSNK2A2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Casein Kinase 2 Beta	CSNK2B	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Casein Kinase 2 Alpha 1	CSNK2A1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	death associated protein kinase 1	DAPK1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	transferrin	TTR	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	carbonic anhydrase 2	CA2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	carbonic anhydrase 7	CA7	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	carbonic anhydrase 12	CA12	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	carbonic anhydrase 4	CA4	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	aldo-keto reductase family 1 member B10	AKR1B10	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	polybrom 1	PRBM1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	dipeptidyl peptidase 4	DPPIV	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	interferon beta 1	IFNB1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	transcription factor binding to IGHM enhancer 3	TFE3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5R1 CDK5	Swiss Target Prediction
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	Adenosine A1 receptor (by homology)	ADORA1	Swiss Target Prediction
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000006	Luteolin	DNA topoisomerase I (by homology)	TOP1	Swiss Target Prediction
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL003896	-Methoxy-2-methyl isoflavone	cytochrome P450 family 3 subfamily A member	CYP3A4	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL003896	-Methoxy-2-methyl isoflavone	cytochrome P450 family 1 subfamily A member	CYP1A2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL003896	-Methoxy-2-methyl isoflavone	cytochrome P450 family 2 subfamily C member	CYP2C19	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL003896	-Methoxy-2-methyl isoflavone	cytochrome P450 family 2 subfamily C member	CYP2C9	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL003896	-Methoxy-2-methyl isoflavone	cytochrome P450 family 2 subfamily D member	CYP2D6	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL003896	-Methoxy-2-methyl isoflavone	TAR DNA binding protein	TARDBP	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL002879	Diop	Androgen Receptor	AR	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL002879	Diop	GLI family zinc finger 3	GLI3	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL002879	Diop	nuclear receptor subfamily 1, group I, member 2	NR1I2	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL000449	Stigmasteryl	DNA polymerase beta	POLB	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL008400	Glycitein	Transcription factor AP-1	JUN	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL008400	Glycitein	Mitogen-activated protein kinase 3	MAPK3	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL008400	Glycitein	Transcription factor Sp1	SP1	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL008400	Glycitein	Collagenase 3	MMP13	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL008400	Glycitein	Mitogen-activated protein kinase 1	MAPK1	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL008400	Glycitein	Cyclin-dependent kinase 4	CDK4	STITCH
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL008400	Glycitein	Estrogen Receptor 1	ESR1	PubChem
<i>Codonopsis Radix (Dang Shen, DS)</i>	MOL002140	Periloryne	phosphodiesterase 5A	PDE5A	PubChem