

Supplemental Table S3. Approaches listed by hallmark for all hallmarks. Cross-validations are shown for each approach-hallmark interaction.

Hallmarks	Approaches	Genomic Instability (GI)	Sustained Proliferative Signaling (SPS)	Tumor-promoting Inflammation (TPI)	Evasion of Anti-growth Signaling (EAG)	Resistance to Apoptosis (AP)	Replicative Immortality (RI)	Dysregulated Metabolism (DM)	Immune System Evasion (IE)	Angiogenesis (AN)	Tissue Invasion and Metastasis (TIM)	Tumor Micro-environment (TME)
AN ^a	Curcumin (11)	+	+	+	+	+	+	+	+	+	+	+
AN	EGCG (11)	+	+	+	+	+	+	+	+	+	+	+
AN	Enterolactone (7)	0	+	+	+	+	0	0	0	+	+	+
AN	Kaempferol (7)	0	0	+	+	+	0	+	0	+	+	+
AN	Melatonin (10)	+	+	0	+	+	+	+	+	+	+	+
AN	Oleanolic acid (10)	+	0	+	+	+	+	+	+	+	+	+
AN	Resveratrol (9)	+	+	+	+	+	+	+	+/-	+/-	+	+
AN	Silibinin (11)	+	+	+	+	+	+	+	+	+	+	+
AN	Tripterine (3)	0	0	0	+	+	0	0	0	+	+	+
AN	Withaferin A (9)	0	+	+	+	+	0	+	+	+	+	+
AP	Gossypol (10)	0	+	+	+	+	+	+	0	+	+	+
EAG	Luteolin (9)	+	+	+	+	+	0	+	0	+	+	+
GI	Carotenoids (10)	+	+	+	+/-	+	+	+	+	+	+	+
GI	Isothiocyanate (10)	+	+	+	+	+	+	+	0	+	+	+
IE	Astaxanthin	0	+	+	+	+	0	0	+	0	+	+
IE	<i>Astragalus membranaceus</i> polysaccharide (6)	0	0	+	+	+	0	0	+	-	+	+
IE	<i>Ganoderma lucidum</i> polysaccharide (9)	0	+	+	+	+	+	0	+	+	+	+
IE	<i>Lentinus edodes</i> polysaccharide (8)	0	+	+	+	+	0	0	+	+	+	+
IE	<i>Trametes versicolor</i> polysaccharide-k (3)	0	0	0	+	0	0	0	+	0	0	+
RI	Perillyl alcohol (10)	+	+	+	+	+	+	+	0	+	+	+
TIM	Cordycepin	0	+	+	+	+	0	+	0	+	+	+

TIM	Eicosapentaenoic acid (8)	0	+	+	+	+	+	0	0	+	+	+
TIM	Gamma linolenic acid (7)	0	+	0	+	+	0	+	0	+	+	+
TIM	Ganoderic acids (7)	0	+	+	+	+	0	0	0	+	+	+
TIM	Grifolin (6)	0	+	0	+	+	0	+	0	0	+	+
TIM	Pachymic acid (6)	0	+	+	+	+	0	0	0	0	+	+
TIM	Polysaccharide (<i>G. lucidum</i>) (8)	0	+/-	+	+	+	0	+	+	+	+	+
TIM	β -(1-6)-D-glucan (<i>A. blazei</i>) (6)	0	+	+	0	+	0	+	0	0	+	+
TME	Berberine (10)	+	+	0	+	+	+	+	-	+	+	+
TME	Naringenin (6)	+	+	+	0	+/-	0	+	+/-	0	+	+
TME	Ononin A (1)	0	0	0	0	0	0	0	0	0	0	+
TME	Piperine (7)	+	+	0	+	+	0	+	-	0	+	+
TME	Zerumbone (6)	0	+	0	0	+	0	+	+	0	+	+
TPI	Anthocyanins (9)	+	+	+	+	+	+	0	0	+	+	+
TPI	Lycopene (8)	+	+	+	+	+	0	0	0	+	+	+

^aAN, angiogenesis; AP, resistance to apoptosis; DM, dysregulated metabolism; EAG, evasion of anti-growth signaling; GI, genomic instability; IE, immune evasion; RI, replicative immortality; SPS, sustained proliferative signaling; TIM tissue invasion and metastasis; TME, tumor microenvironment; TPI, tumor promoting inflammation.