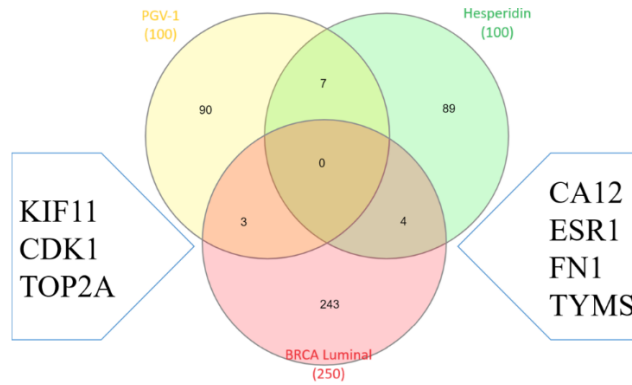


SUPPLEMENTARY DATA



Supplementary Figure. Venn diagram of the protein targets of PGV-1 and hesperidin with overexpressed proteins in luminal breast cancer.

Supplementary Table. Role and function of the target proteins of PGV-1 and hesperidin

Protein target	Common name	Role	Function	Reference
Kinesin-like protein	KIF11	Catalytic enzyme	Form bipolar mitotic spindles	Joseph et al., 2021
Cyclin-dependent kinase 1	CDK1	Protein kinase	G2/M regulation	Hayward et al., 2019
DNA Topoisomerase 2-alpha	TOP2A	Catalytic enzymes	Chromosome separation and DNA replication	Ye et al., 2018
Carbonic anhydrase 12	CA12	Catalytic enzyme	pH regulation, the catalytic reversible hydration reaction of carbon dioxide	Mboge et al., 2018
Estrogen receptor	ESR1	Receptor hormone	Transcription regulation	Brett et al., 2021
Thymidylate synthetase	TYMS	Catalytic enzymes	Biosynthesis DNA-component thymidylate (dTTP)	Burdelski et al., 2015
Fibronectin 1	FN1	Glycoprotein	Mediates interactions between the extracellular matrix and plays a role in cell adhesion, migration, differentiation, and growth	Sun et al., 2020

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