

Supplementary Table 1. Tyrosine (Y) nitrated polypeptides from Hep-G2 and MIA PaCa-2 tumor cell lines after the incubation with pepper fruit crude extracts from the variety Alegría riojana.

Cell line	Tyrosine (Y) nitrated polypeptides	Size (kDa)
Hep-G2	PHY 1	47.6
	PHY 2	45.7
	PHY 3	36.7
	PHY 4	33.5
	PHY 5	25.0
MIA PaCa-2	PMY 1	65.1
	PMY 2	47.6
	PMY 3	45.7
	PMY 4	36.7
	PMY 5	33.0
	PMY 6	29.5
	PMY 7	25.0
	PMY 8	18.4
	PMY 9	16.4

Supplementary Table 2. Tryptophan (W) nitrated polypeptides from Hep-G2 and MIA PaCa-2 tumor cell lines after the incubation with pepper fruit crude extracts from the variety Alegría riojana.

Cell line	Tryptophan (W) nitrated polypeptides	Size (kDa)
Hep-G2	PHW 1	65.3
	PHW 2	55.6
	PHW 3	45.5
	PHW 4	40.7
	PHW 5	37.0
	PHW 6	35.1
	PHW 7	25.0
	PHW 8	14.2
MIA PaCa-2	PMW 1	71.3
	PMW 2	48.0
	PMW 3	43.9
	PMW 4	38.8
	PMW 5	34.1
	PMW 6	29.9
	PMW 7	26.5
	PMW 8	17.8
	PMW 9	15.6

Supplementary Table 3. Cysteine (C) nitrosated polypeptides from Hep-G2 and MIA PaCa-2 tumor cell lines after the incubation with pepper fruit crude extracts from the variety Alegría riojana.

Cell line	Cysteine (C) nitrosated polypeptides	Size (kDa)
Hep-G2	PHC 1	88.4
	PHC 2	68.4
	PHC 3	62.4
	PHC 4	31.3
	PHC 5	29.0
	PHC 6	25.0
MIA PaCa-2	PMC 1	50.0
	PMC 2	37.6
	PMC 3	29.0
	PMC 4	27.8
	PMC 5	22.3

Supplementary Table 4. Glutathionylated polypeptides from Hep-G2 and MIA PaCa-2 tumor cell lines after the incubation with pepper fruit crude extracts from the variety Alegría riojana.

Cell line	Glutathionylated polypeptides	Size (kDa)
Hep-G2	PHG 1	62.6
	PHG 2	47.0
	PHG 3	42.7
	PHG 4	38.2
	PHG 5	35.2
	PHG 6	33
	PHG 7	26.2
	PHG 8	24.0
	PHG 9	15.6
MIA PaCa-2	PMG 1	61.0
	PMG 2	37.0
	PMG 3	33.1
	PMG 4	22.6
	PMG 5	15.0
	PMG 6	11.6