## **Supplementary Material**

## Spastic Paraplegia 20 and Serine/Threonine Protein Kinase 31 Expression for the Detection of Colorectal Cancer

Nivin A. Hassan<sup>a</sup> Naglaa K. Idriss<sup>b</sup> Noha Gaber<sup>c</sup> Abeer Ibrahim<sup>d</sup> Mariana A. Tawfeek<sup>a</sup> Eman Mossad<sup>c</sup> Aliaa A. Mosa<sup>b</sup> Eman H. Ahmed<sup>c</sup> Sally A. Sayed<sup>e</sup> Heba A. Ahmed<sup>f</sup> Amal A. M. Mohamed<sup>b</sup>

<sup>a</sup>Pharmacology and Experimental Oncology Unit, Cancer Biology Department, South Egypt Cancer Institute, Assiut University, Assiut, Egypt, <sup>b</sup>Department of Medical Biochemistry, Faculty of Medicine, Assiut University, Assiut, Egypt, <sup>c</sup>Oncological Clinical Pathology Department, South Egypt Cancer Institute, Assiut University, Assiut, Egypt, <sup>d</sup>Medical Oncology and Hematological Malignancy Department, South Egypt Cancer Institute, Assiut University, Assiut, Egypt, <sup>e</sup>Medical Physiology Department, Faculty of Medicine, Assiut University, Assiut, Egypt, <sup>f</sup>Clinical Pathology Department, Faculty of Medicine, Sohag University, Sohag, Egypt

**Supplementary Table S1:** Fold Change of the SPG-20 and STK-31 Marker among the studied Cohort.

No significant differences in fold change of SPG20 between cases and control. Significant differences in fold change of STK31 cases double the control

	Fold Change		
	Control	<b>CRC Cases</b>	P-value*
	(n=50)	(n=50)	
RQ-SPG-20			
• Mean ± SE	$2.51 \pm 1.1$	$1.51\pm0.3$	= 0.673
• Median (IQR)	1 (0.8)	0.7 (1.7)	
RQ-STK-31			
• Mean ± SE	$1.99 \pm 0.5$	$2.93 \pm 0.5$	= 0.038
• Median (IQR)	1 (0.8)	1.9 (2)	

<sup>\*</sup>Mann-Whitney U test was used to compare the mean difference between the two groups