

Plasma *SGIP1* methylation in diagnosis and prognosis prediction in hepatocellular carcinoma

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Supplementary Tables

Table S1. Diagnostic value of *SGIP1* methylation in distinguishing HCC from HC.

Groups	Performance AUC (95%)	Sensitivity (%)	Specificity (%)	p-value
<i>SGIP1</i>	0.872 (0.819-0.924)	85.3	88	< 0.001
AFP25	0.915 (0.874-0.956)	82.9	100	< 0.001
AFP200	0.837 (0.781-0.893)	67.4	100	< 0.001
AFP400	0.779 (0.714-0.844)	55.8	100	< 0.001
<i>SGIP1</i> +AFP25	0.927 (0.874-0.980)	95.3	90	< 0.001
<i>SGIP1</i> +AFP200	0.915 (0.861-0.970)	93	90	< 0.001
<i>SGIP1</i> +AFP400	0.903 (0.847-0.960)	90.7	90	< 0.001

Abbreviations: AFP 25-AFP \geq 25; AFP200-AFP \geq 200; AFP400-AFP \geq 400

Table S2. Diagnostic value of *SGIP1* methylation in distinguishing HCC from CHB.

Groups	Performance AUC (95%)	Sensitivity (%)	Specificity (%)	p-value
<i>SGIP1</i>	0.728 (0.653-0.804)	43.4	97.8	< 0.001
AFP25	0.737 (0.646-0.828)	82.9	64.4	< 0.001
AFP200	0.793 (0.722-0.864)	67.4	91.1	< 0.001
AFP400	0.746 (0.671-0.821)	55.8	93.3	< 0.001
<i>SGIP1</i> +AFP25	0.741 (0.649-0.833)	86	62.2	< 0.001
<i>SGIP1</i> +AFP200	0.828 (0.759-0.897)	76.7	88.9	< 0.001
<i>SGIP1</i> +AFP400	0.804 (0.735-0.874)	69.8	91.1	< 0.001

Abbreviations: AFP25-AFP \geq 25; AFP200-AFP \geq 200; AFP400-AFP \geq 400

Table S3. Diagnostic value of *SGIP1* methylation in distinguishing HCC from LC.

Groups	Performance AUC (95%)	Sensitivity (%)	Specificity (%)	p-value
<i>SGIP1</i>	0.675 (0.597- 0.753)	43.4	100	< 0.001
AFP25	0.848 (0.779- 0.917)	82.9	86.7	< 0.001
AFP200	0.826 (0.765- 0.887)	67.4	97.8	< 0.001
AFP400	0.779 (0.713- 0.845)	55.8	100	< 0.001
<i>SGIP1</i> +AFP25	0.864 (0.796- 0.931)	86	86.7	< 0.001
<i>SGIP1</i> +AFP200	0.873 (0.819- 0.926)	76.7	97.8	< 0.001
<i>SGIP1</i> +AFP400	0.849 (0.794- 0.904)	69.8	100	< 0.001

Abbreviations: AFP25-AFP \geq 25; AFP200-AFP \geq 200; AFP400-AFP \geq 400

Table S4. Diagnostic value of *SGIP1* methylation in distinguishing HCC from CHB+LC.

Groups	Performance AUC (95%)	Sensitivity (%)	Specificity (%)	p-value
<i>SGIP1</i>	0.702 (0.634- 0.770)	43.4	98.9	< 0.001
AFP25	0.793 (0.729- 0.856)	82.9	75.6	< 0.001
AFP200	0.809 (0.751- 0.868)	67.4	94.4	< 0.001
AFP400	0.762 (0.700- 0.825)	55.8	96.7	< 0.001
<i>SGIP1</i> +AFP25	0.802 (0.739- 0.866)	86	74.4	< 0.001
<i>SGIP1</i> +AFP200	0.850 (0.797- 0.904)	76.7	93.3	< 0.001
<i>SGIP1</i> +AFP400	0.827 (0.771- 0.882)	69.8	95.6	< 0.001

Abbreviations: AFP25-AFP \geq 25; AFP200-AFP \geq 200; AFP400-AFP \geq 400

Table S5. Diagnostic value of *SGIP1* methylation in distinguishing HCC from Non-HCC.

Groups	Performance AUC (95%)	Sensitivity (%)	Specificity (%)	p-value
<i>SGIP1</i>	0.762 (0.705- 0.820)	43.4	99.3	< 0.001
AFP25	0.836 (0.785- 0.887)	82.9	84.3	< 0.001
AFP200	0.819 (0.765- 0.873)	67.4	96.4	< 0.001
AFP400	0.768 (0.709- 0.827)	55.8	97.9	< 0.001
<i>SGIP1</i> +AFP25	0.848 (0.798- 0.833)	86	83.6	< 0.001
<i>SGIP1</i> +AFP200	0.862 (0.814- 0.911)	76.7	95.7	< 0.001
<i>SGIP1</i> +AFP400	0.835 (0.782- 0.887)	69.8	97.1	< 0.001

Abbreviations: AFP25-AFP \geq 25; AFP200-AFP \geq 200; AFP400-AFP \geq 400