Supplementary fig:
### CARCINOLUS

**Gene expression**

- Malignant melanoma, breast, prostate, lung, colorectal, brain, kidney, head and neck, skin, liver, stomach, pancreas, ovary, bladder, endometrial, thyroid, esophagus, stomach, brain, liver, lymphoma.

**Protein expression**


**Expression label**

- Malignant melanoma, breast, prostate, lung, colorectal, brain, kidney, head and neck, skin, liver, stomach, pancreas, ovary, bladder, endometrial, thyroid, esophagus, stomach, brain, liver, lymphoma.

**Immunohistochemistry**


### CARCINOLOGIA

**Gene expression**

- Malignant melanoma, breast, prostate, lung, colorectal, brain, kidney, head and neck, skin, liver, stomach, pancreas, ovary, bladder, endometrial, thyroid, esophagus, stomach, brain, liver, lymphoma.

**Protein expression**


**Expression label**

- Malignant melanoma, breast, prostate, lung, colorectal, brain, kidney, head and neck, skin, liver, stomach, pancreas, ovary, bladder, endometrial, thyroid, esophagus, stomach, brain, liver, lymphoma.

**Immunohistochemistry**


### CARCINOMA

**Gene expression**

- Malignant melanoma, breast, prostate, lung, colorectal, brain, kidney, head and neck, skin, liver, stomach, pancreas, ovary, bladder, endometrial, thyroid, esophagus, stomach, brain, liver, lymphoma.

**Protein expression**


**Expression label**

- Malignant melanoma, breast, prostate, lung, colorectal, brain, kidney, head and neck, skin, liver, stomach, pancreas, ovary, bladder, endometrial, thyroid, esophagus, stomach, brain, liver, lymphoma.

**Immunohistochemistry**


### CARCINOLICE

**Gene expression**

- Malignant melanoma, breast, prostate, lung, colorectal, brain, kidney, head and neck, skin, liver, stomach, pancreas, ovary, bladder, endometrial, thyroid, esophagus, stomach, brain, liver, lymphoma.

**Protein expression**


**Expression label**

- Malignant melanoma, breast, prostate, lung, colorectal, brain, kidney, head and neck, skin, liver, stomach, pancreas, ovary, bladder, endometrial, thyroid, esophagus, stomach, brain, liver, lymphoma.

**Immunohistochemistry**

**GENE OUTLINE**
- Gene classification: Transcription factor 3
- Protein classes: Cancer-related genes, Cell cycle-related genes, Plasma proteins, Predicted intracellular proteins, Transcription factor
- Protein expression: Evidence at protein level

**Tissue Summary**
- Breast cancer: High
- Cervical cancer: Medium
- Colorectal cancer: High
- Endometrial cancer: Low
- Glisson: Medium
- Head and neck cancer: Medium
- Liver cancer: Low
- Lung cancer: Low
- Lymphoma: Medium

**Staining summary**
- Most of the cancer cells were either negative or showed weak to moderate immunoreactivity. Several cases of breast cancer, endometrial, and colorectal cancers showed moderate to strong immunoreactivity.

**Gene outline**
- Gene classification: Transcription factor 3
- Protein classes: Cancer-related genes, Cell cycle-related genes, Plasma proteins, Predicted intracellular proteins, Transcription factor
- Protein expression: Evidence at protein level

**Tissue Summary**
- Breast cancer: Low
- Cervical cancer: Low
- Colorectal cancer: Low
- Endometrial cancer: Low
- Glisson: Low
- Head and neck cancer: Low
- Liver cancer: Low
- Lung cancer: Low
- Lymphoma: Medium

**Staining summary**
- Most of the malignant cells showed moderate to strong immunoreactivity. Several cases of colorectal cancer showed a low to moderate immunoreactivity. Tumor cells in colorectal and endometrial cancers were strongly stained.

**GENE OUTLINE**
- Gene classification: Transcription factor 3
- Protein classes: Cancer-related genes, Cell cycle-related genes, Plasma proteins, Predicted intracellular proteins, Transcription factor
- Protein expression: Evidence at protein level

**Tissue Summary**
- Breast cancer: Low
- Cervical cancer: Low
- Colorectal cancer: Medium
- Endometrial cancer: Low
- Glisson: Medium
- Head and neck cancer: Low
- Liver cancer: Low
- Lung cancer: Low
- Lymphoma: Medium

**Staining summary**
- Most of the malignant cells showed moderate to strong immunoreactivity. Skin cancers were negative.