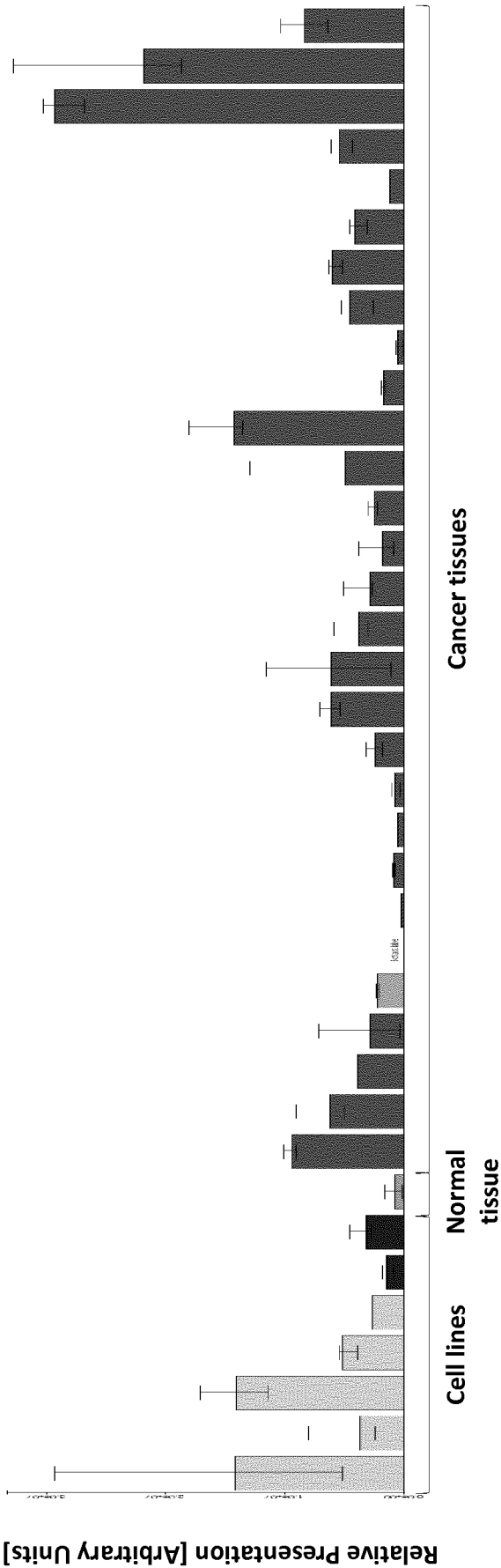
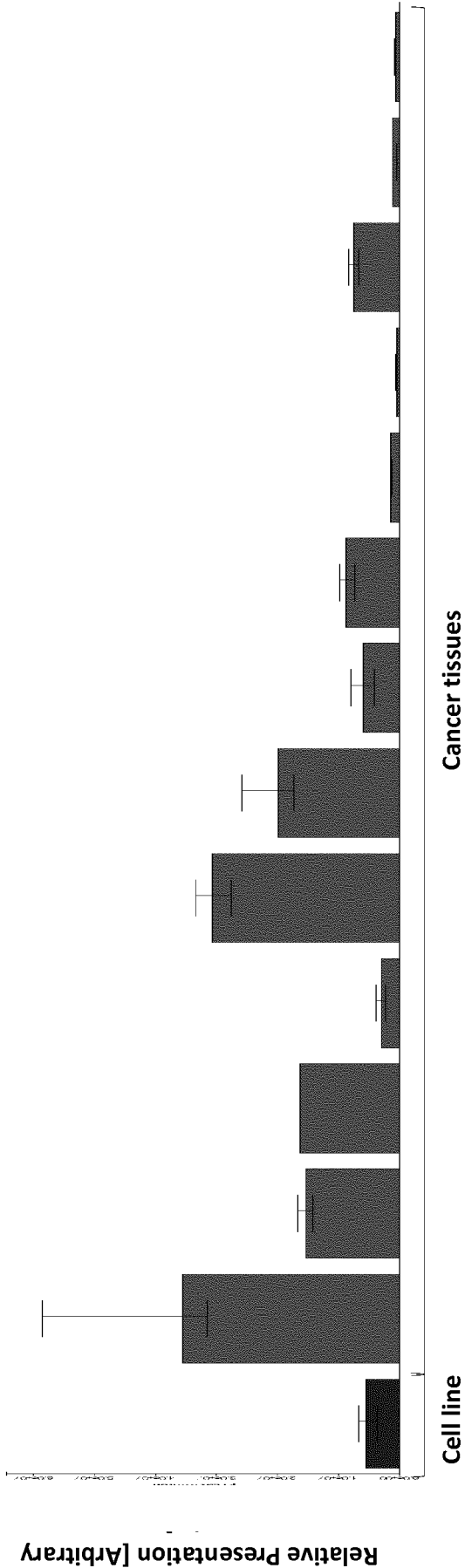


Figure 1B - Peptide: QLIEKNWLL (A*02:01)



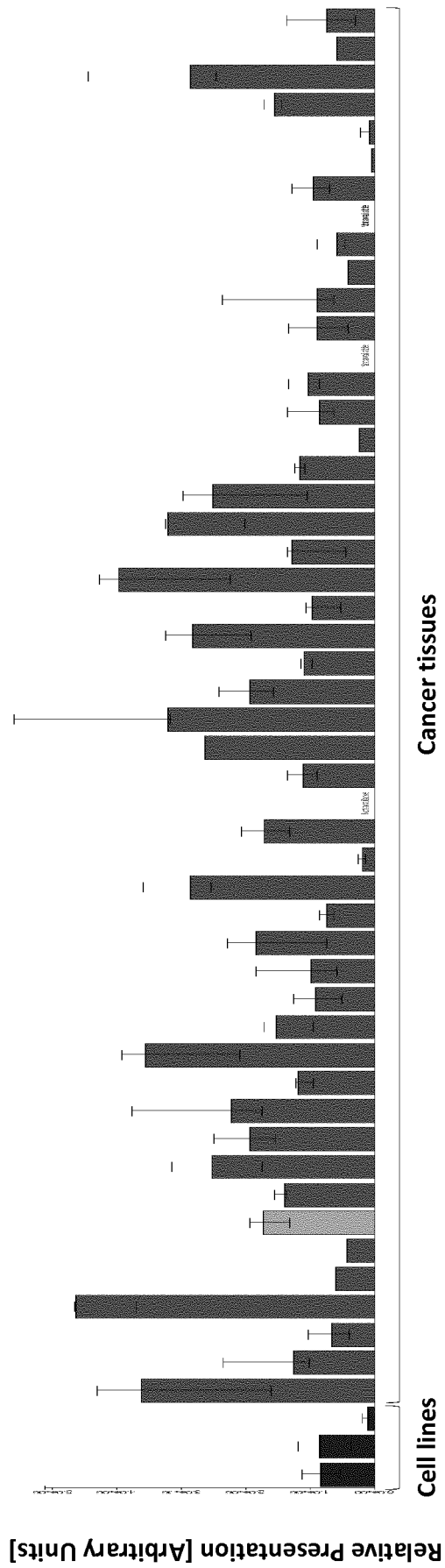
Peptide detected on
5 leucocytic cancer cell lines, 1 pancreatic cancer cell line, 1 myeloid leukemia cell line, 1 normal tissues (1 adrenal gland), 29 cancer tissues (4 colon cancers, 2 esophageal cancers, 1 leukocytic cancer, 1 liver cancer, 10 lung cancers, 11 ovarian cancers) (from left to right)

Figure 1C - Peptide: LLDPKTIFL (A*02:01)



Peptide detected on
1 kidney cancer cell line, 0 normal tissues, 13 cancer tissues (8 kidney cancers, 1 liver cancer, 2 lung cancers, 2 rectal cancers)
(from left to right)

Figure 1D - Peptide: RLHDENILL (A*02:01)

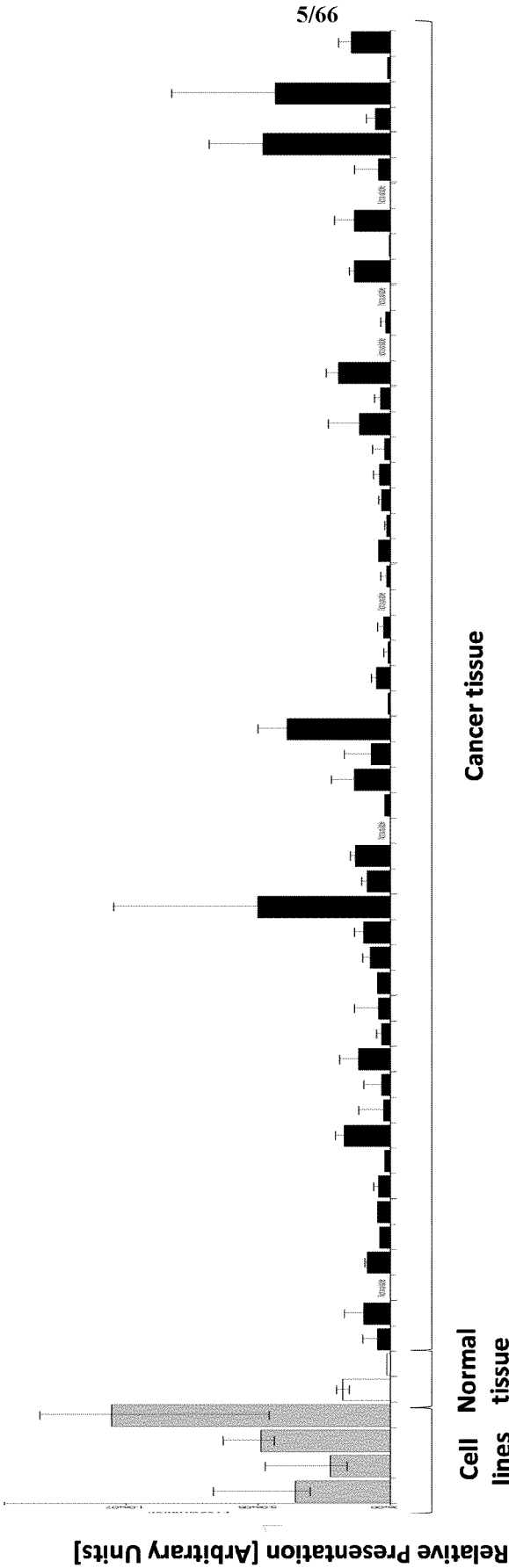


Peptide detected on

1 1 kidney cancer cell line, 1 prostate cancer cell line, 1 melanoma cell line, 0 normal tissues, 50 cancer tissues (4 brain cancers, 1 colon cancer, 2 esophageal cancers, 3 kidney cancers, 2 liver cancers, 23 lung cancers, 7 ovarian cancers, 2 pancreatic cancers, 2 prostate cancers, 3 rectum cancers, 1 gastric cancer) (from left to right)

Figure 1E

Peptide: SVLEKEIYSI (A*02:01)
SEQ ID: 2

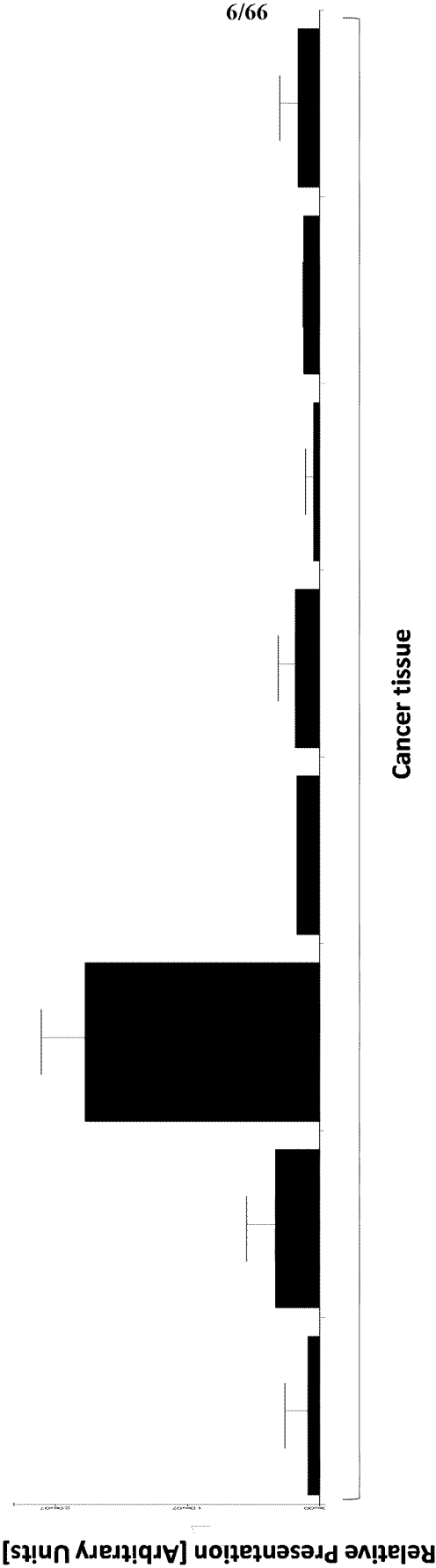


Peptide detected on

4 cell lines (3 blood cells, 1 pancreatic), 2 normal tissues (1 lymph node, 1 trachea), 52 cancer tissues (2 bile duct cancers, 1 myeloid cells cancer, 3 leukocytic leukemia cancers, 5 breast cancers, 1 esophageal cancer, 1 esophagus and stomach cancer, 1 gallbladder cancer, 4 colon cancers, 7 lung cancers, 6 lymph node cancers, 7 ovarian cancers, 4 prostate cancers, 4 skin cancers, 2 urinary bladder cancers, 4 uterus cancers) (from left to right)

Figure 1F

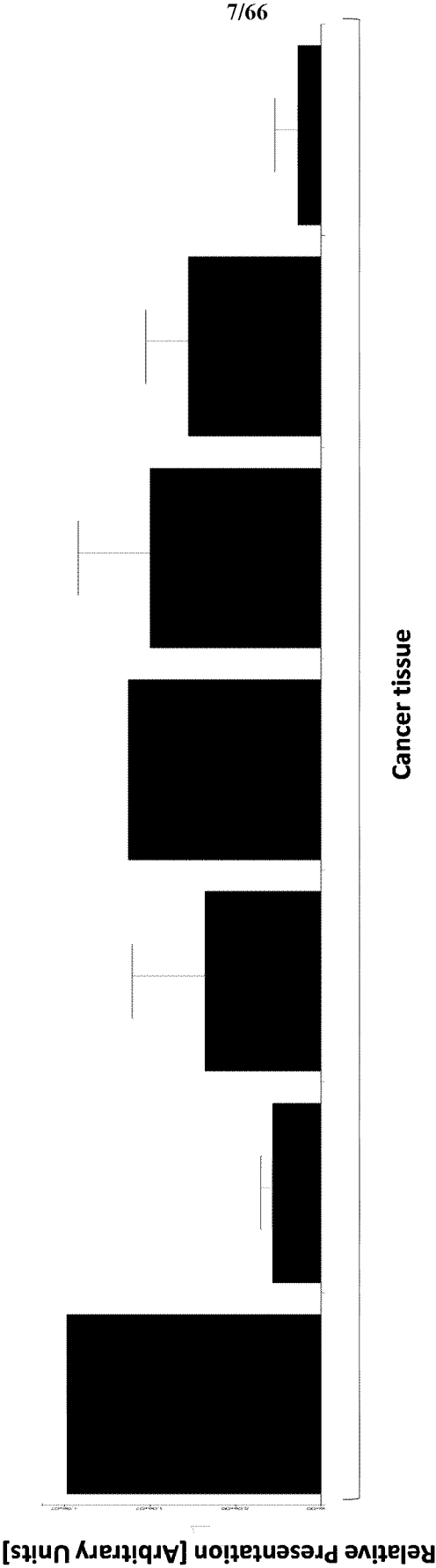
Peptide: KIWEELSVLEV (A*02:01)
SEQ ID: 40



Peptide detected on
8 cancer tissues (1 liver cancer, 3 lung cancers, 2 skin cancers, 1 stomach cancer, 1 urinary bladder cancer) (from left to right)

Figure 1G

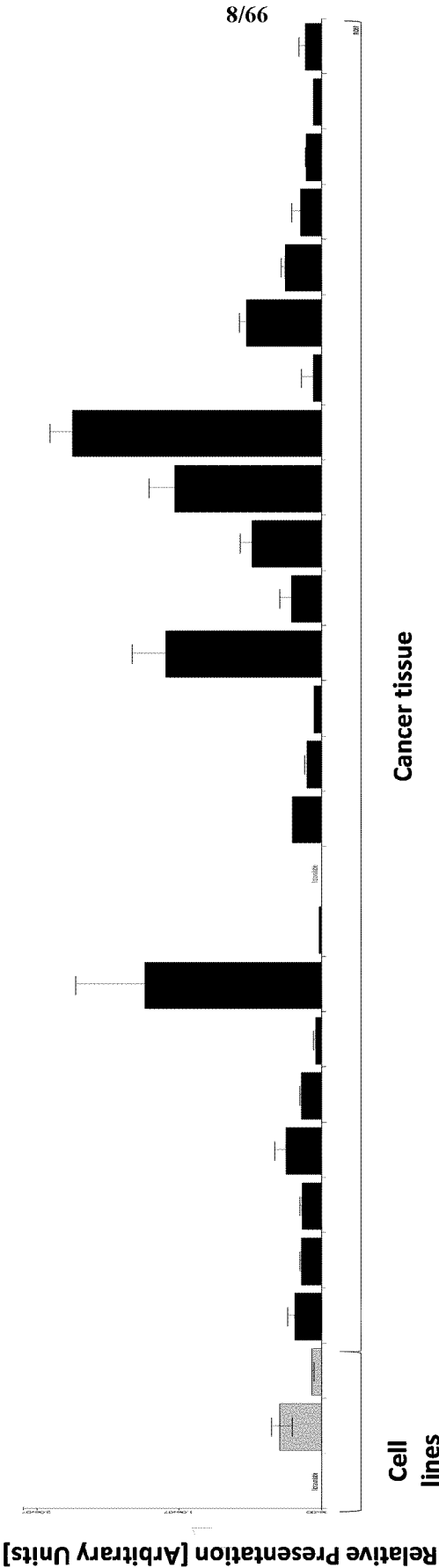
Peptide: FLIENLLAA (A*02:01)
SEQ ID: 67



Peptide detected on
7 cancer tissues (4 brain cancers, 2 lung cancers, 1 uterus cancer) (from left to right)

Figure 1H

Peptide: FLLEREQLL (A*02:01)
SEQ ID: 84

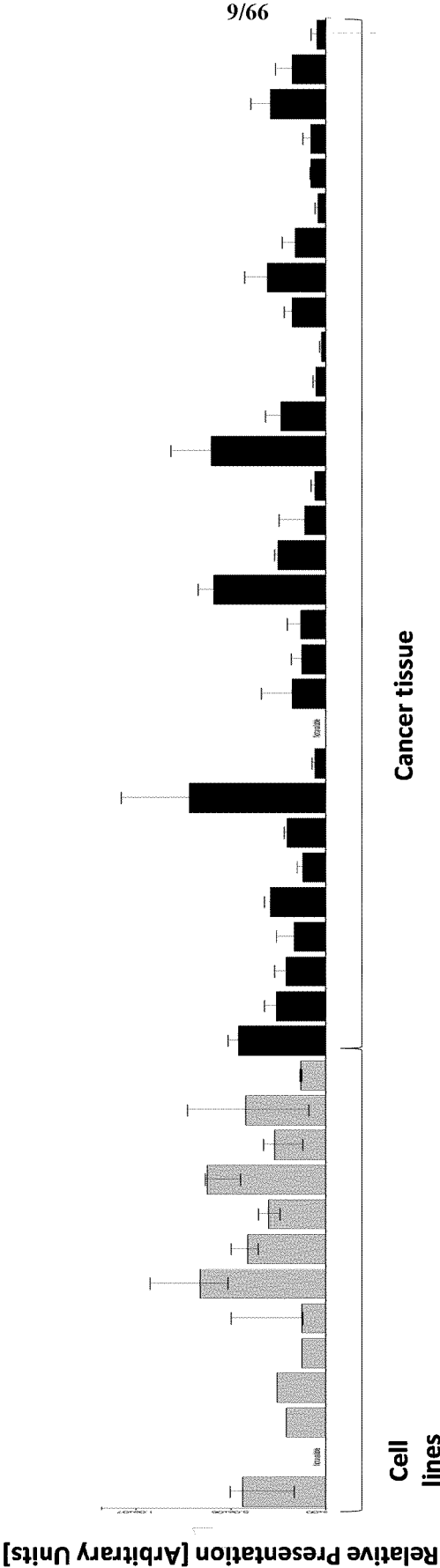


Peptide detected on

3 cell lines (2 blood cells, 1 skin), 24 cancer tissues (1 myeloid cells cancer, 3 leukocytic leukemia cancers, 1 bone marrow cancer, 1 breast cancer, 1 kidney cancer, 2 colon cancers, 3 rectum cancers, 1 lung cancer, 7 lymph node cancers, 3 urinary bladder cancers, 1 uterus cancer) (from left to right)

Figure 1I

Peptide: SLLNQPKAV (A*02:01)
SEQ ID: 235

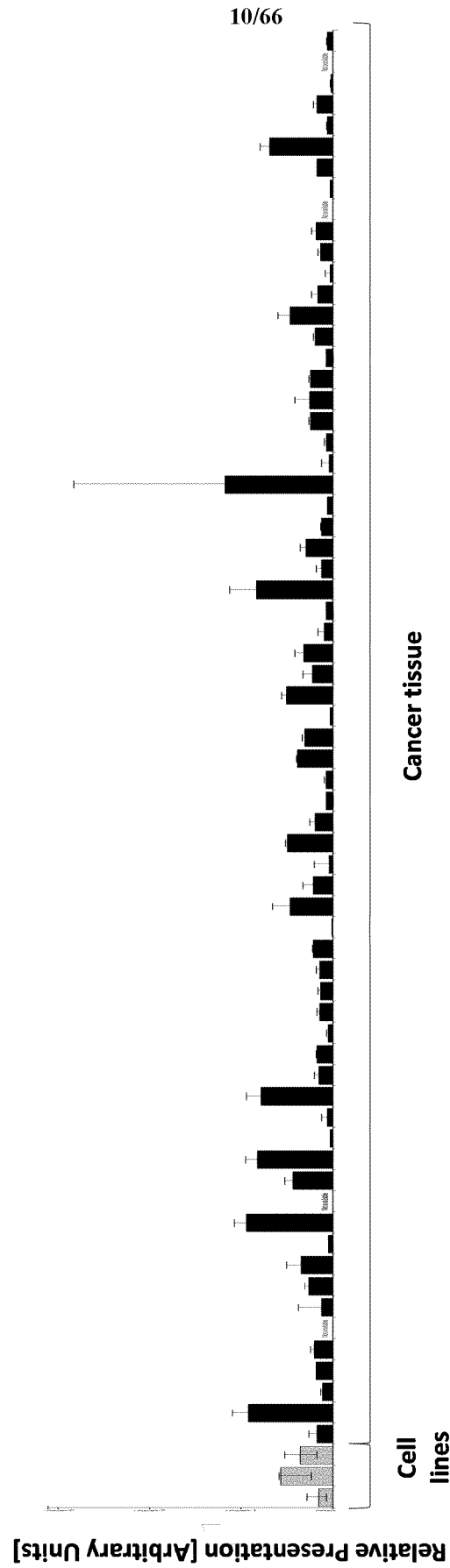


Peptide detected on

13 cell lines (3 blood cells, 2 kidney, 8 pancreas), 30 cancer tissues (1 myeloid cells cancer, 1 leukocytic leukemia cancer, 2 brain cancers, 2 breast cancers, 2 esophageal cancers, 1 gallbladder cancer, 1 rectum cancer, 2 liver cancers, 4 lung cancers, 5 lymph node cancers, 2 ovarian cancers, 2 skin cancers, 4 urinary bladder cancers, 1 uterus cancer) (from left to right)

Figure 1J

Peptide: GLAEFQENV (A*02:01)
SEQ ID: 243



Peptide detected on

3 cell lines (1 blood cells, 1 kidney, 1 pancreas), 67 cancer tissues (1 bile duct cancer, 4 leukocytic leukemia cancers, 1 myeloid cells cancer, 2 brain cancers, 3 breast cancers, 4 esophageal cancers, 2 gallbladder cancers, 2 colon cancers, 1 rectum cancer, 2 liver cancers, 15 lung cancers, 8 lymph node cancers, 9 ovarian cancers, 3 skin cancers, 4 urinary bladder cancers, 6 uterus cancers) (from left to right)

Figure 2H

Gene(s): IGF2BP1, IGF2BP3
Peptide: TLYNPERTITV
SEQ ID: 274

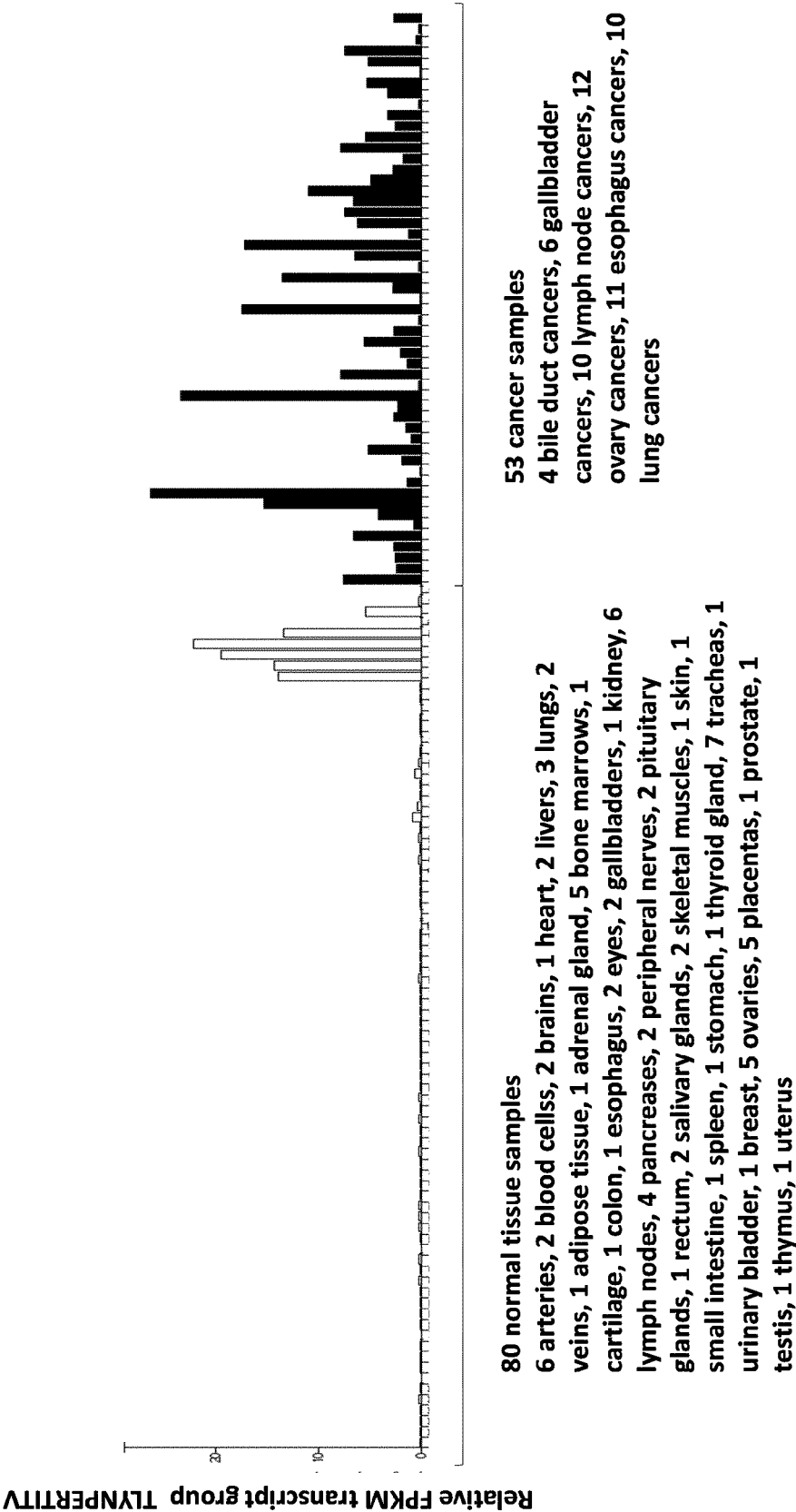


Figure 2A Gene: PRIM2

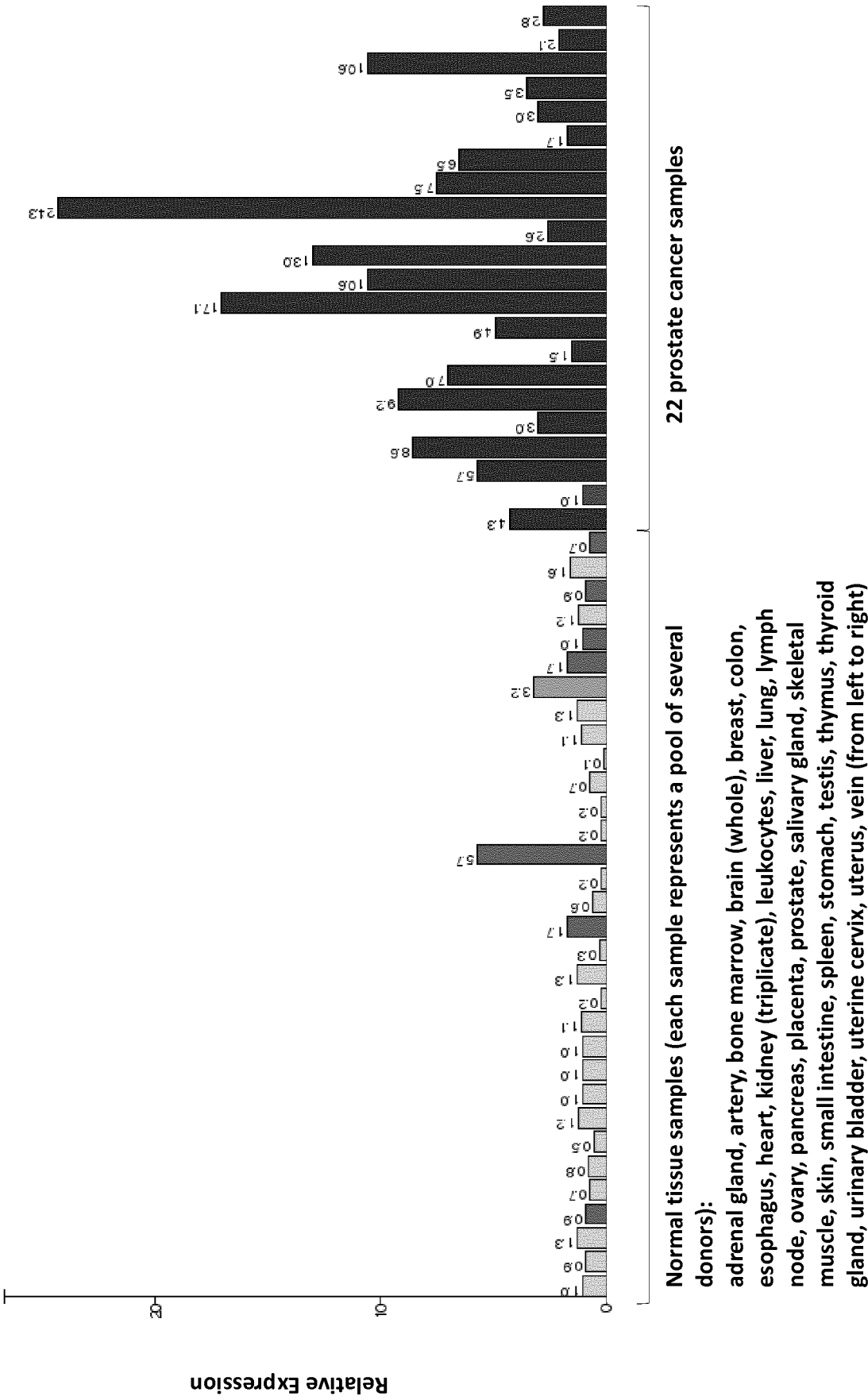


Figure 2B Gene: CHEK1

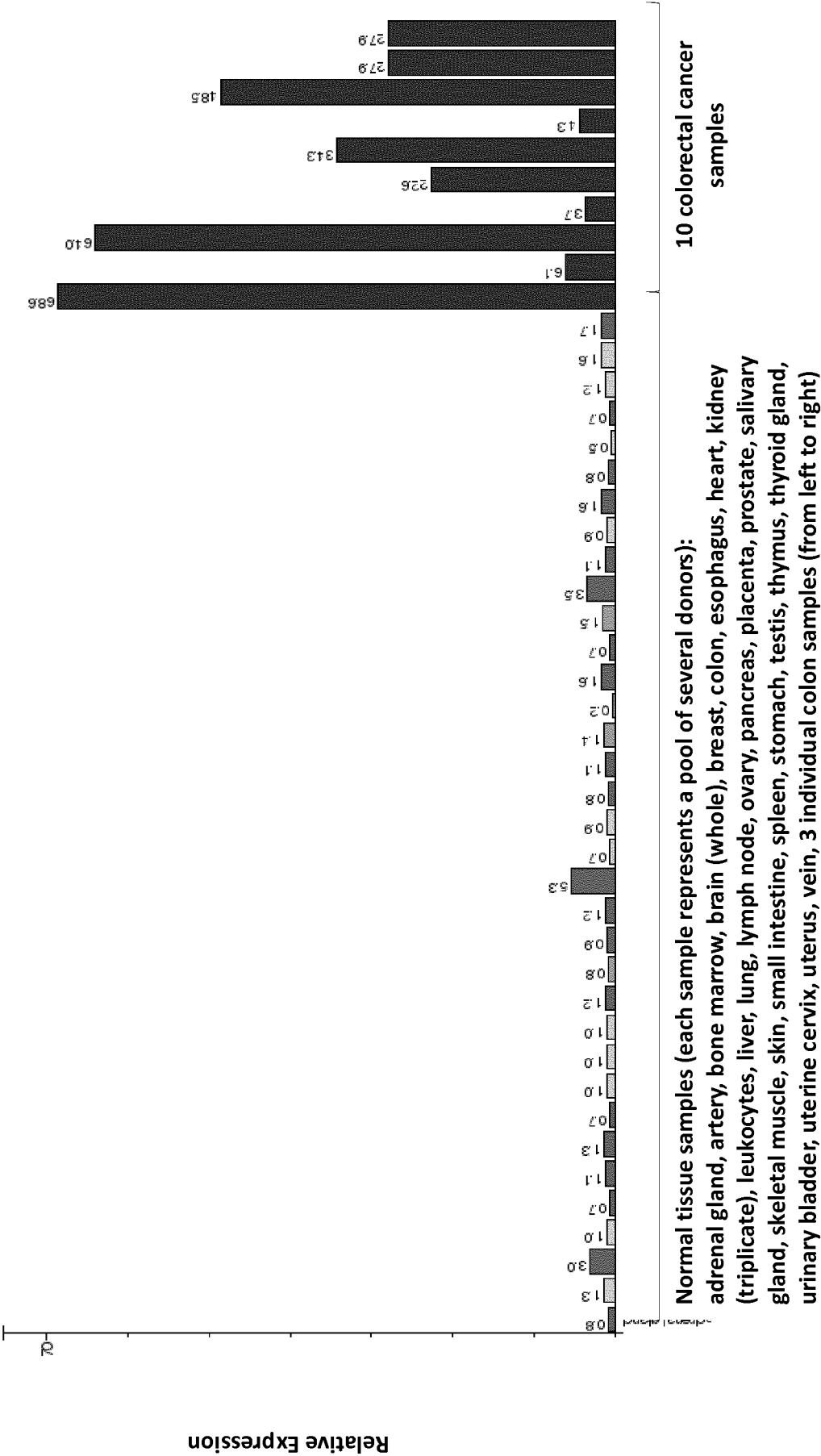


Figure 2C Gene: TTC30A

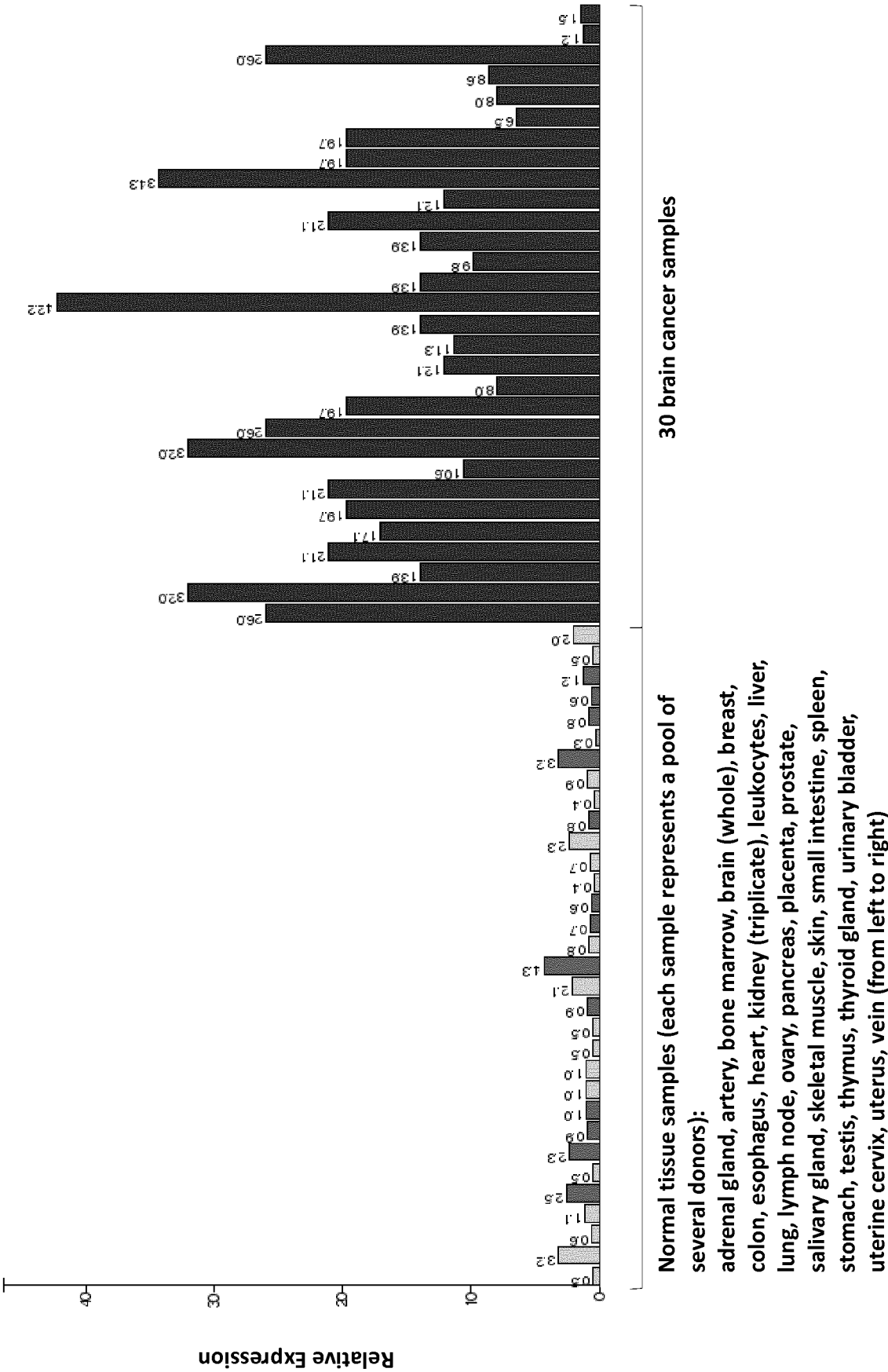


Figure 2D Gene: TRIP13

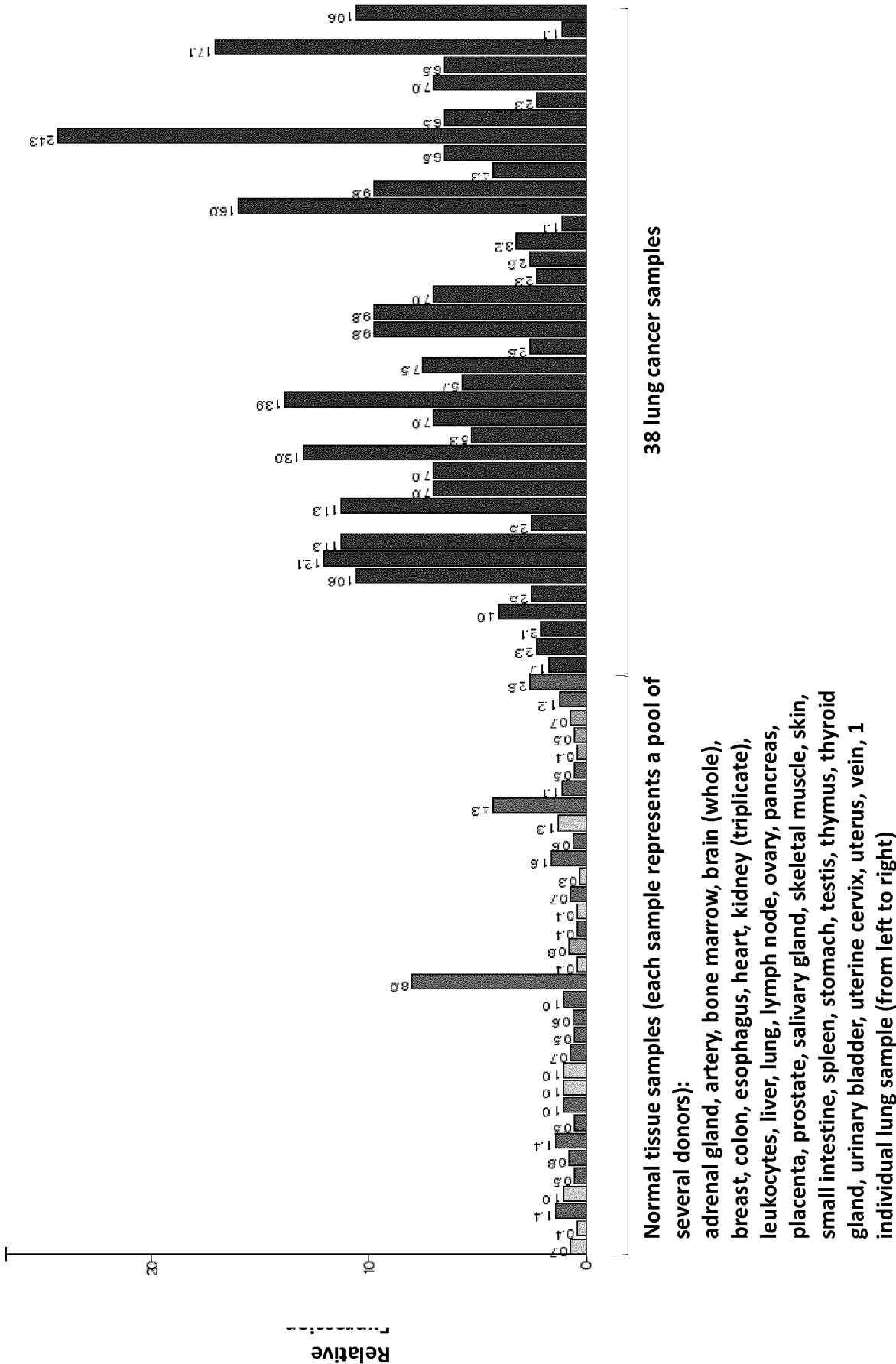


Figure 2E Gene: MXRA5

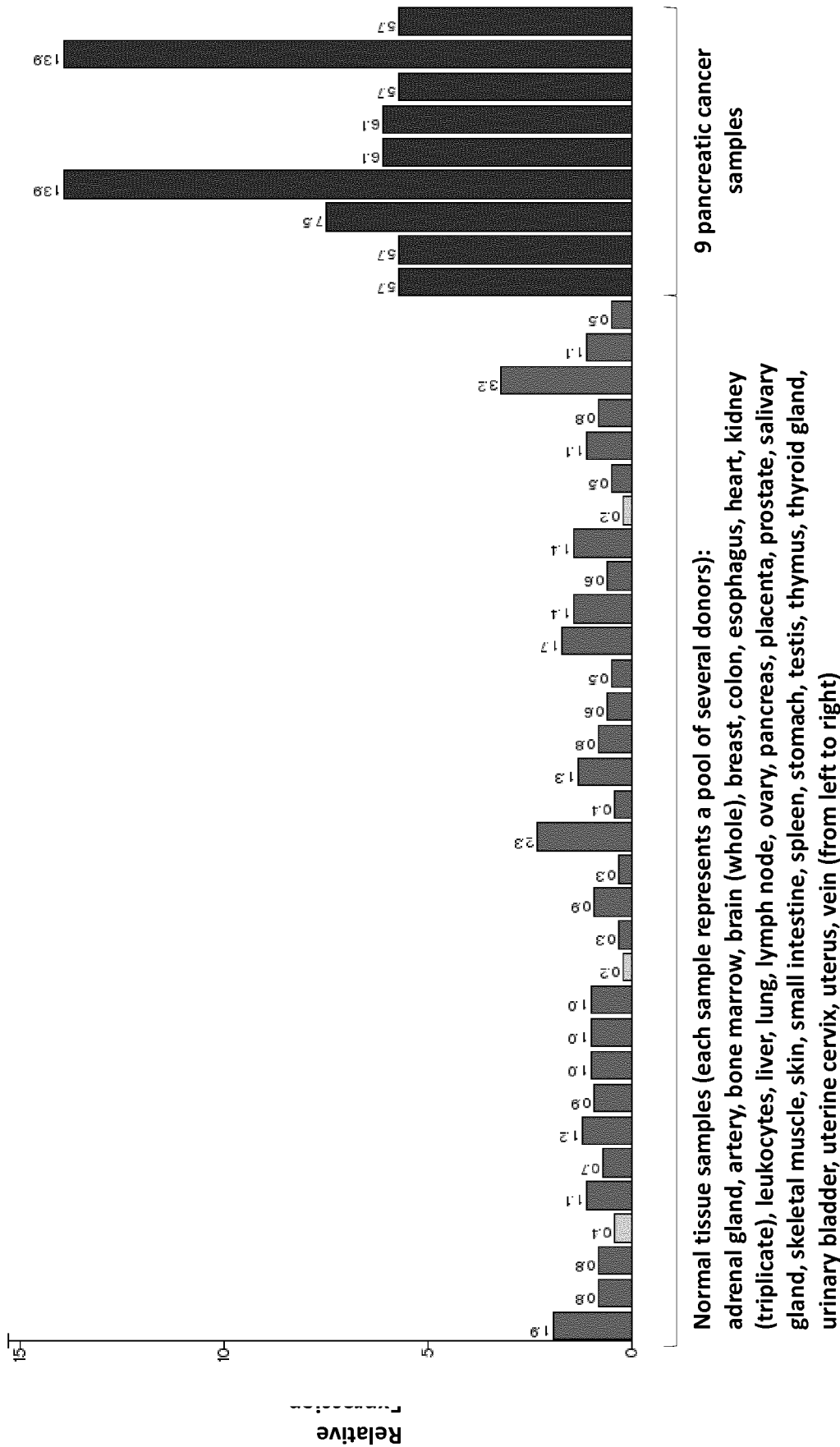


Figure 2F

Gene(s): MMP11, MMP13
Peptide: KWSDDVTPL
SEQ ID: 24

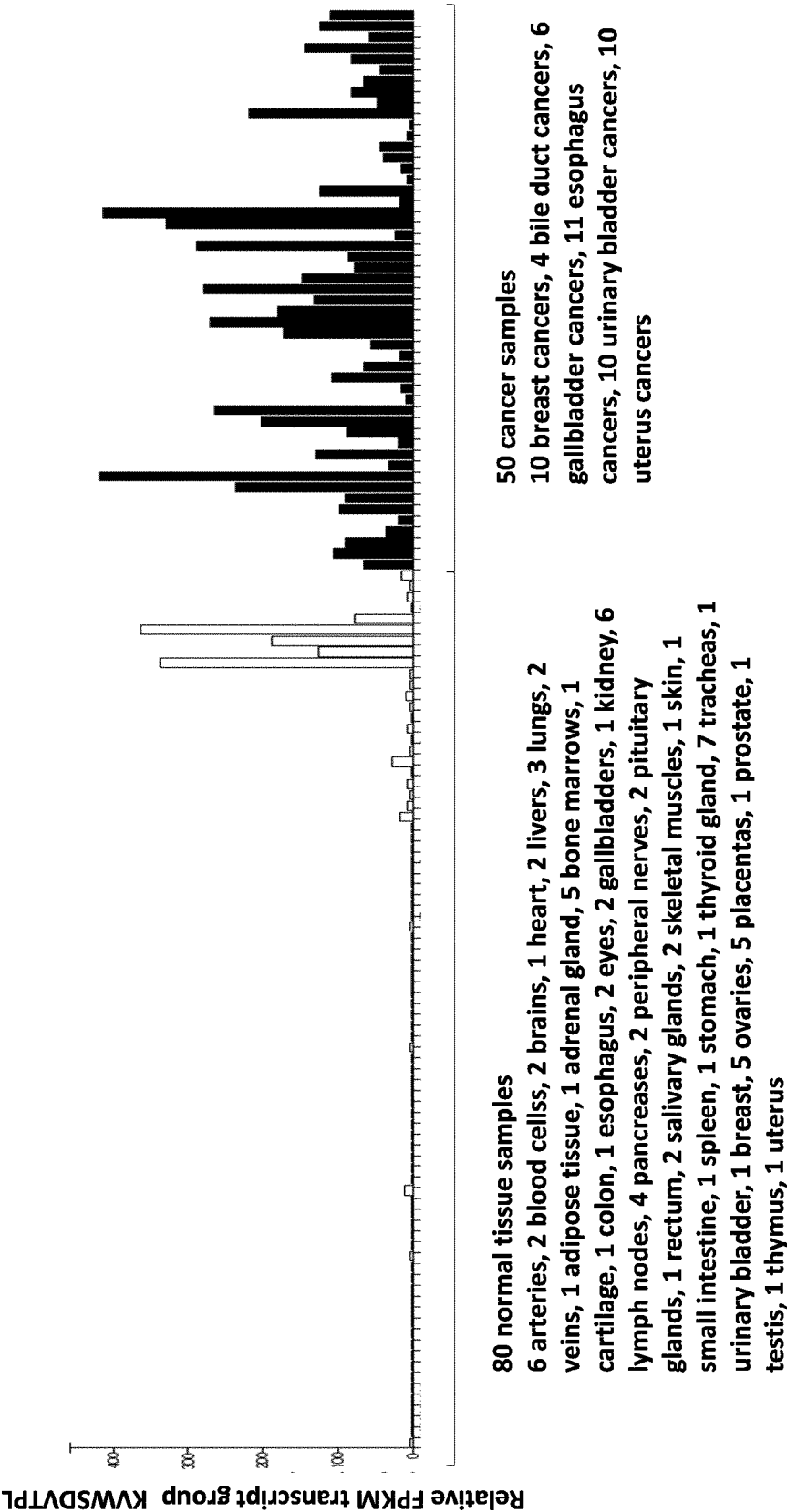


Figure 2G

Gene: HORMAD1
Peptide: VIFEGEPMYL
SEQ ID: 168

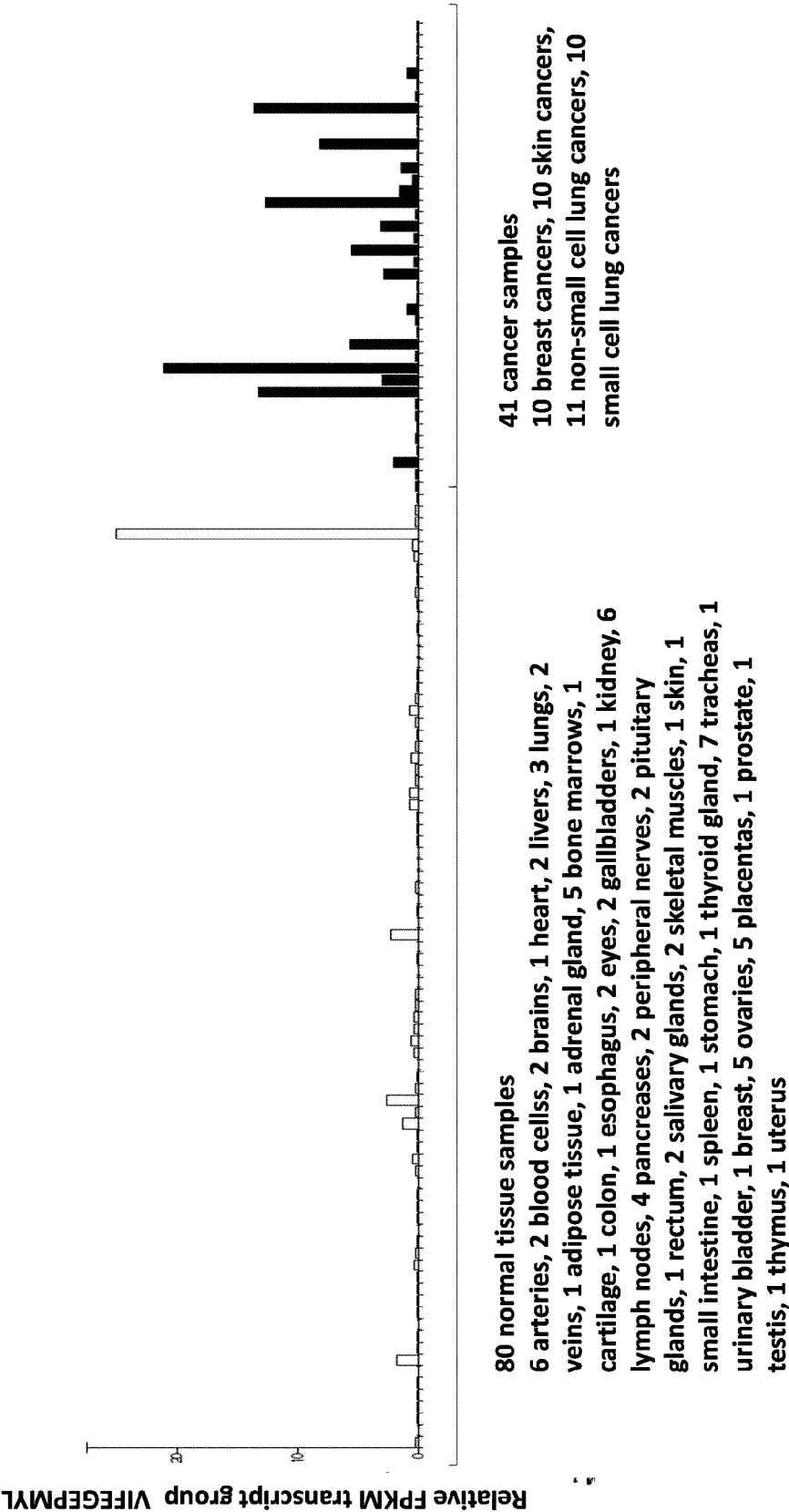


Figure 2H

Gene(s): IGF2BP1, IGF2BP3
Peptide: TLYNPERTTV
SEQ ID: 274

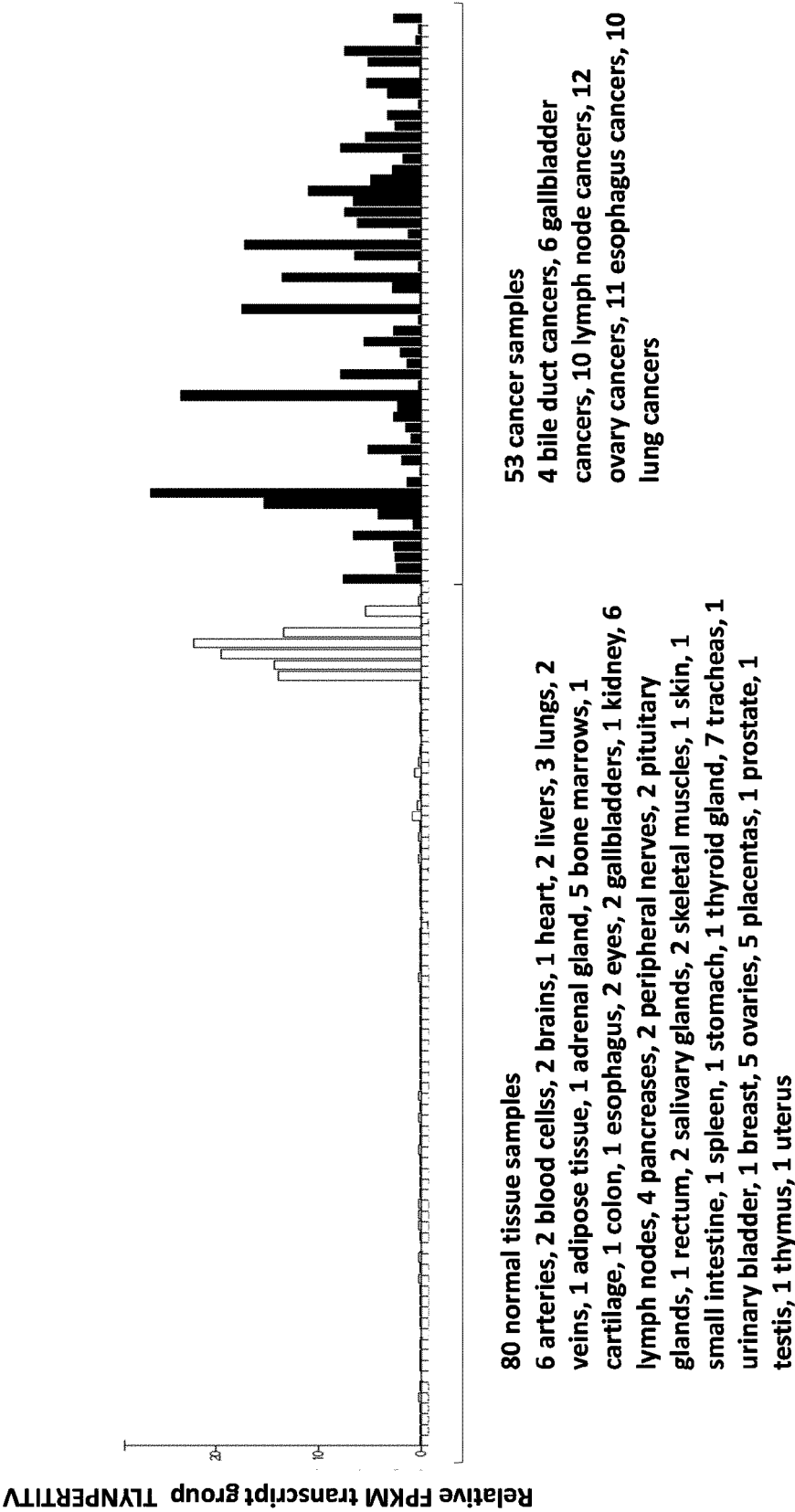
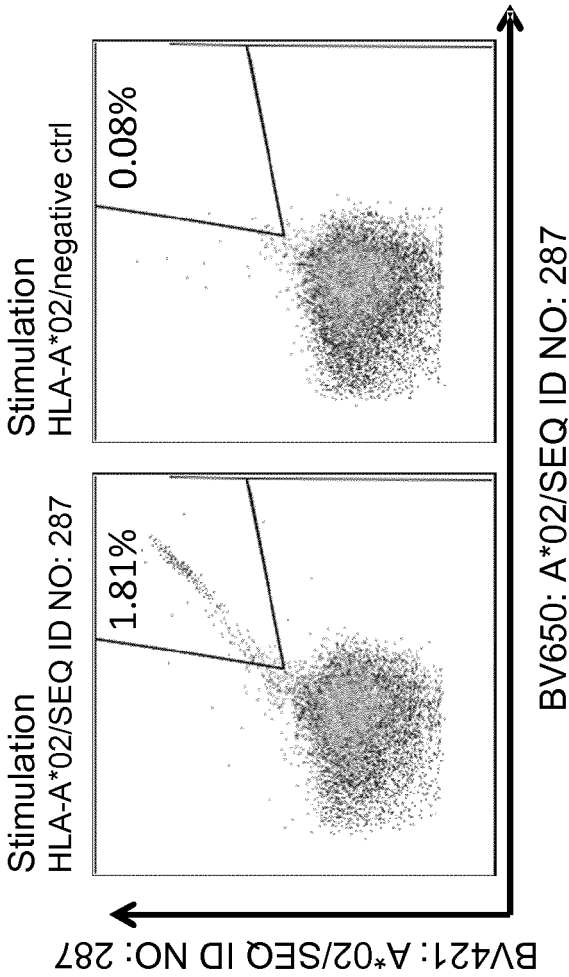


Figure 3

A



B

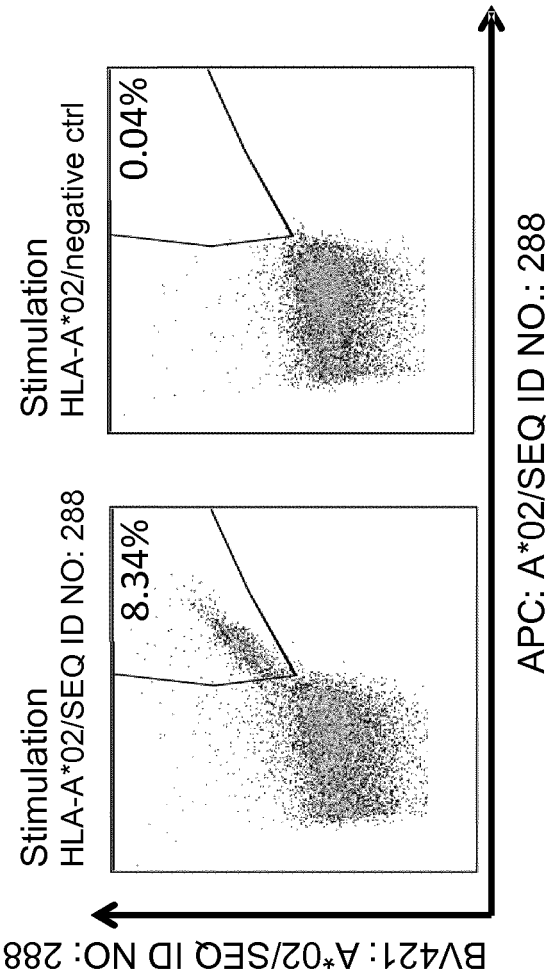
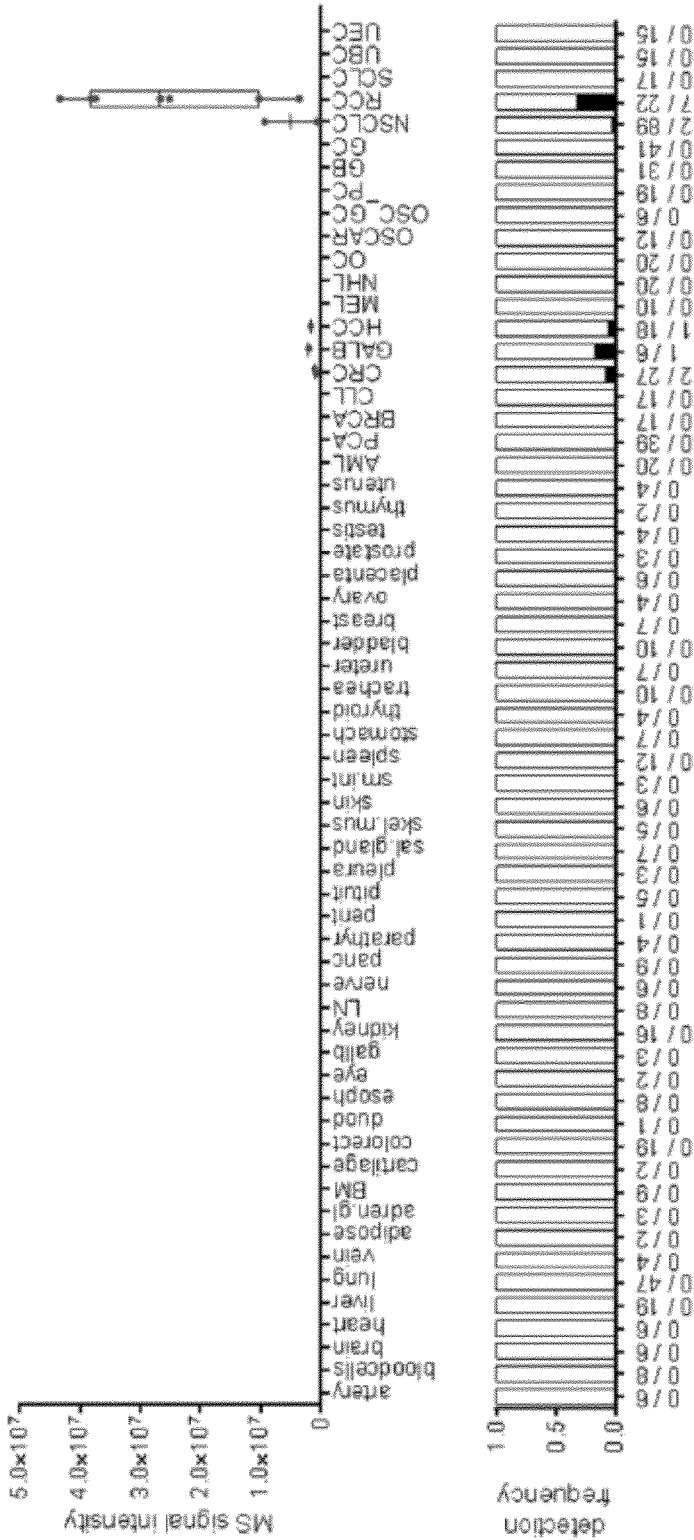


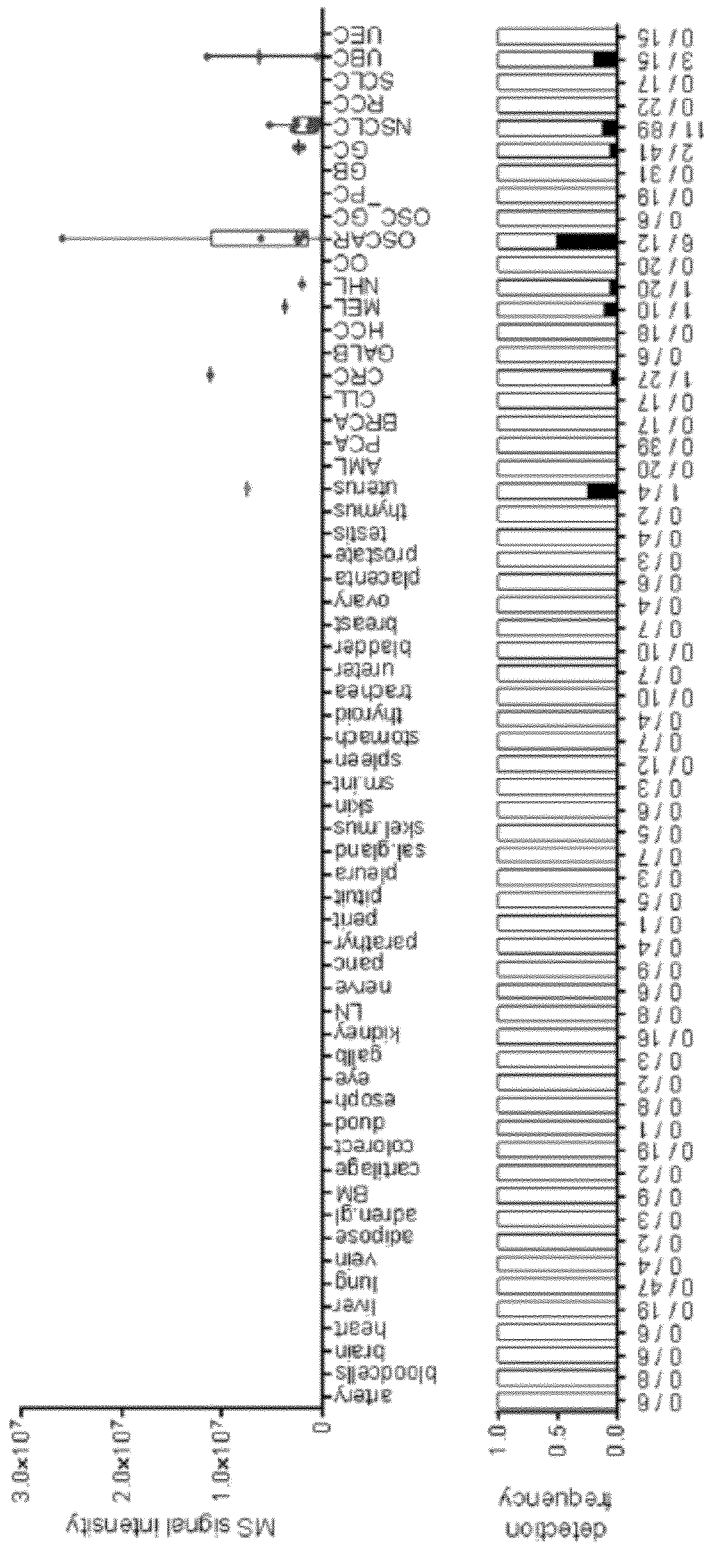
Figure 4A

SEQ ID NO: 11: HAVCR1-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gi.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSC; OSC_GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

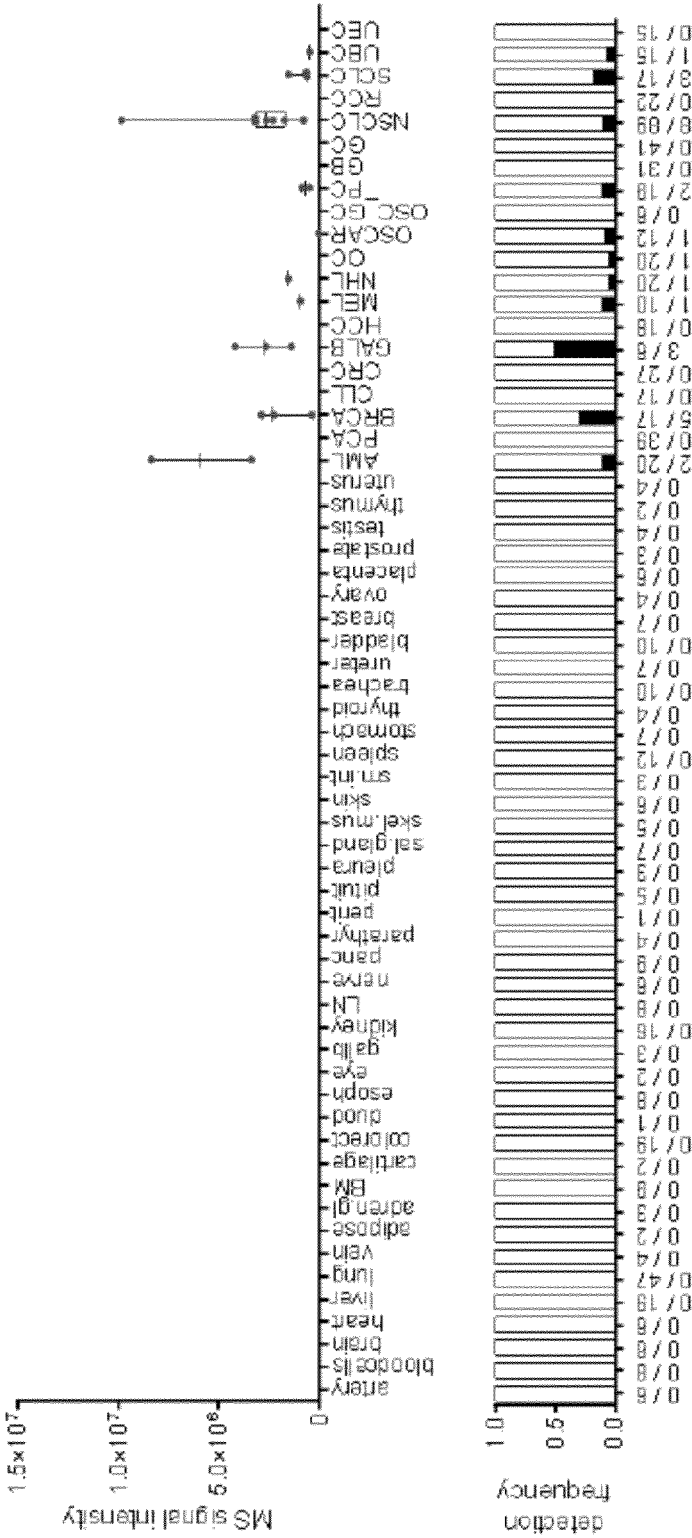
Figure 4B
SEQ ID NO: 14: MMP1-003



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

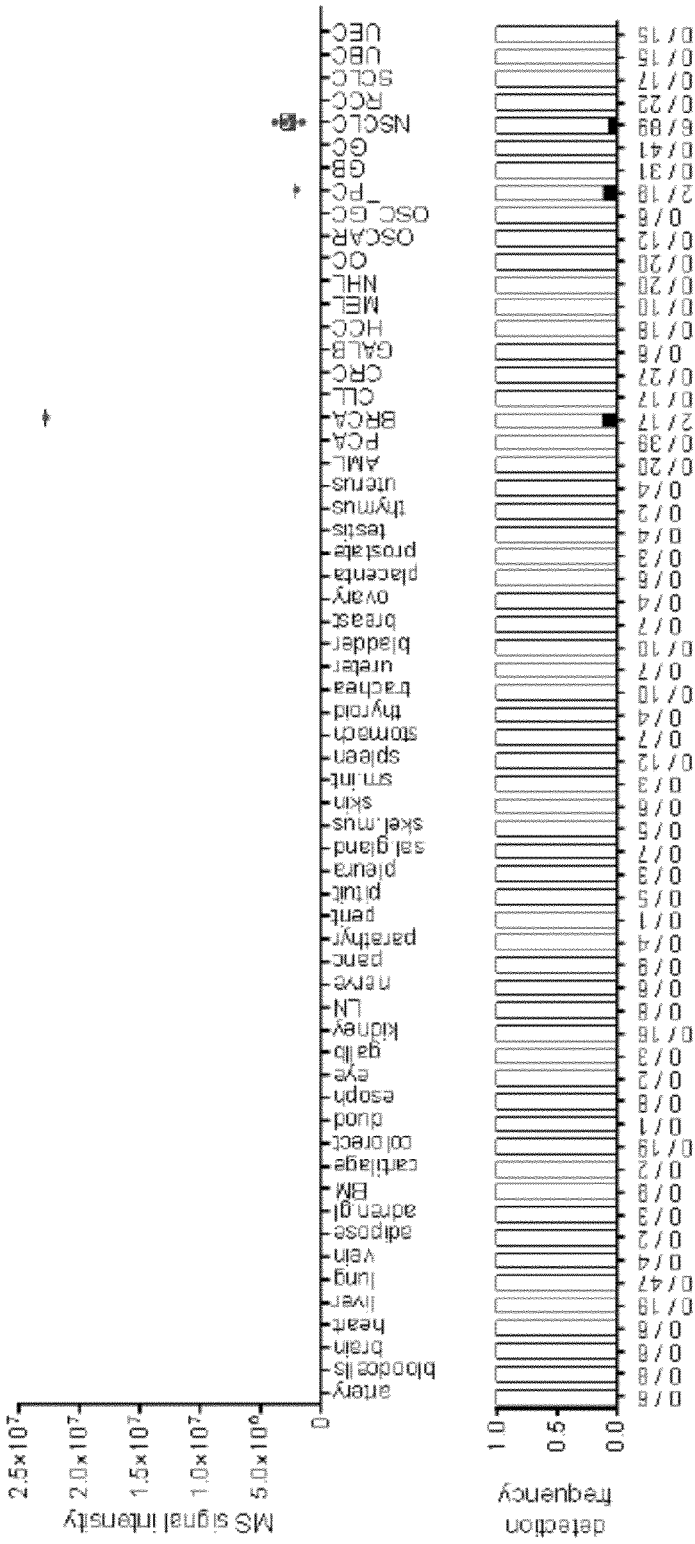
Figure 4C

SEQ ID NO: 21: COL6A3-015



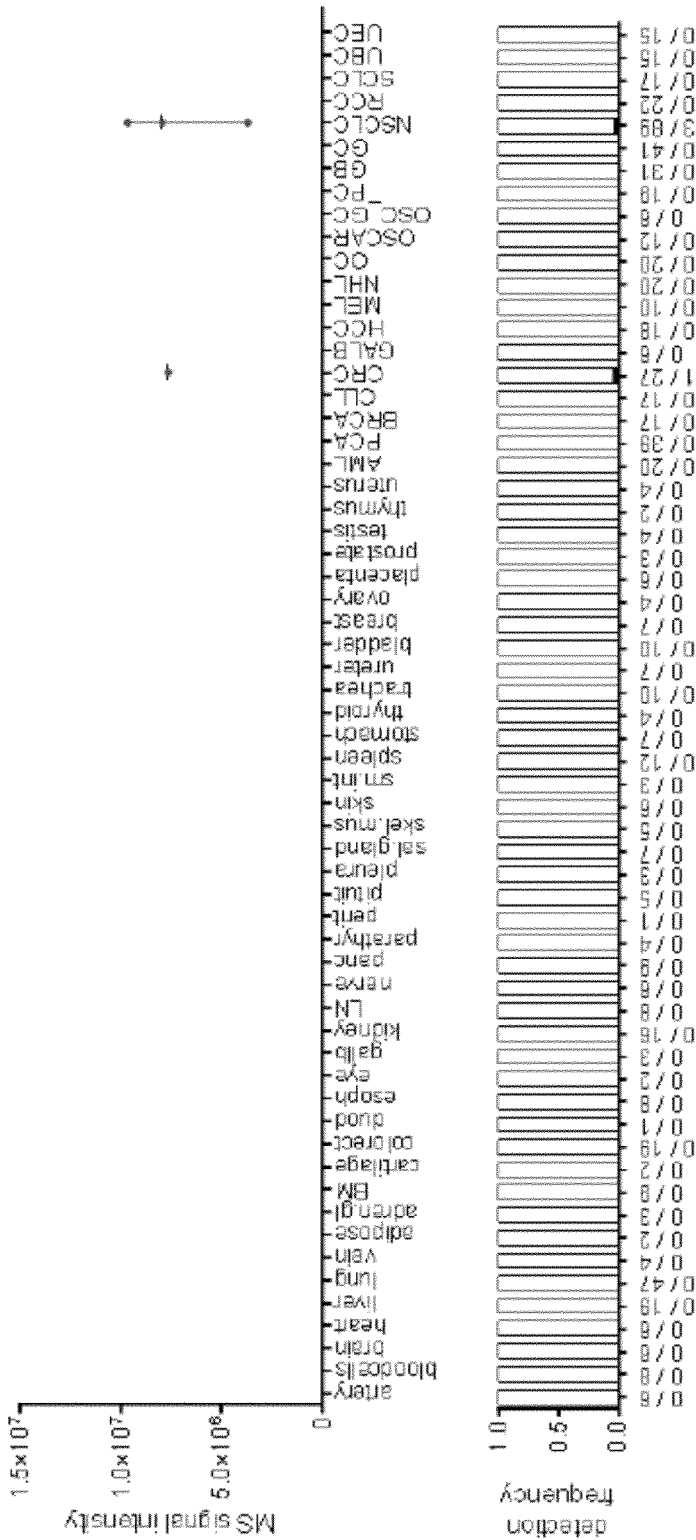
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 4D
SEQ ID NO: 24: MMP-002



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

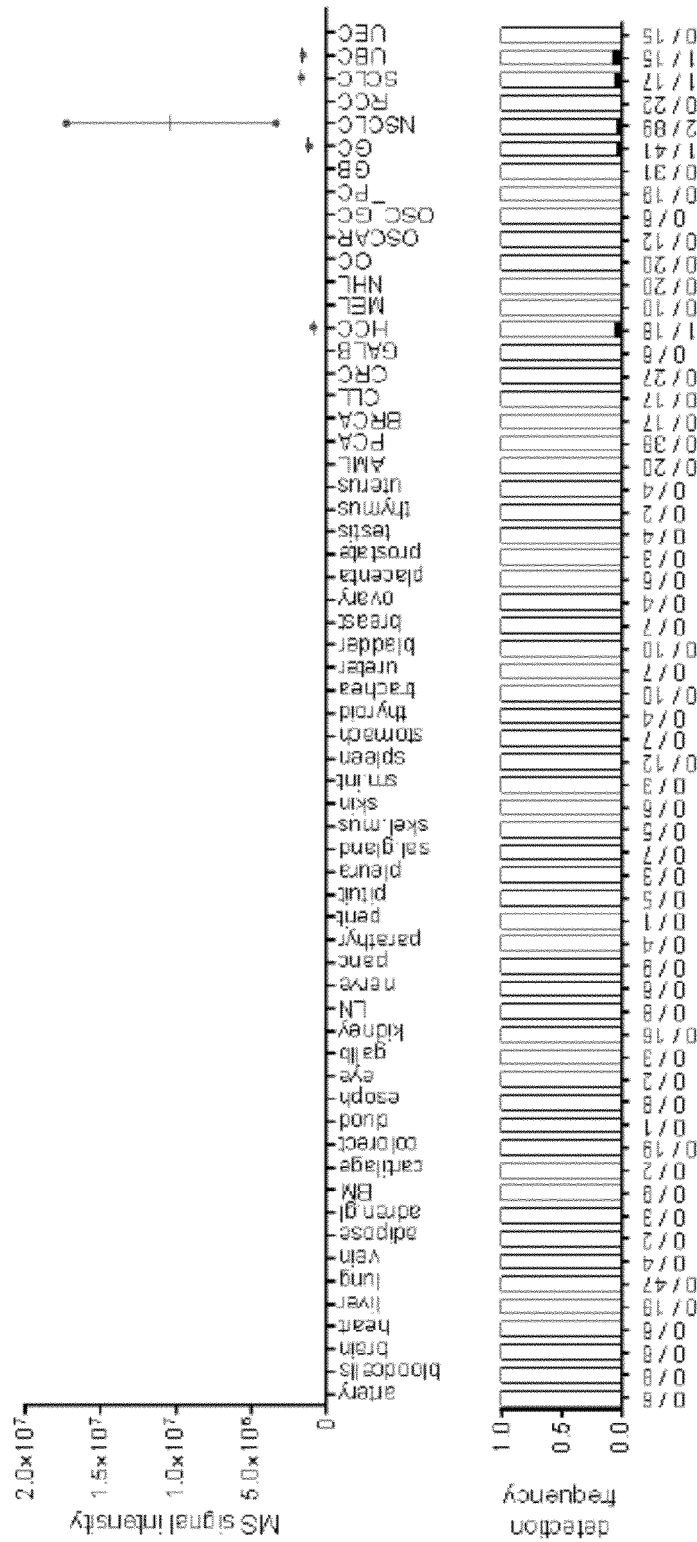
Figure 4E
SEQ ID NO: 25: MXRA5-003



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

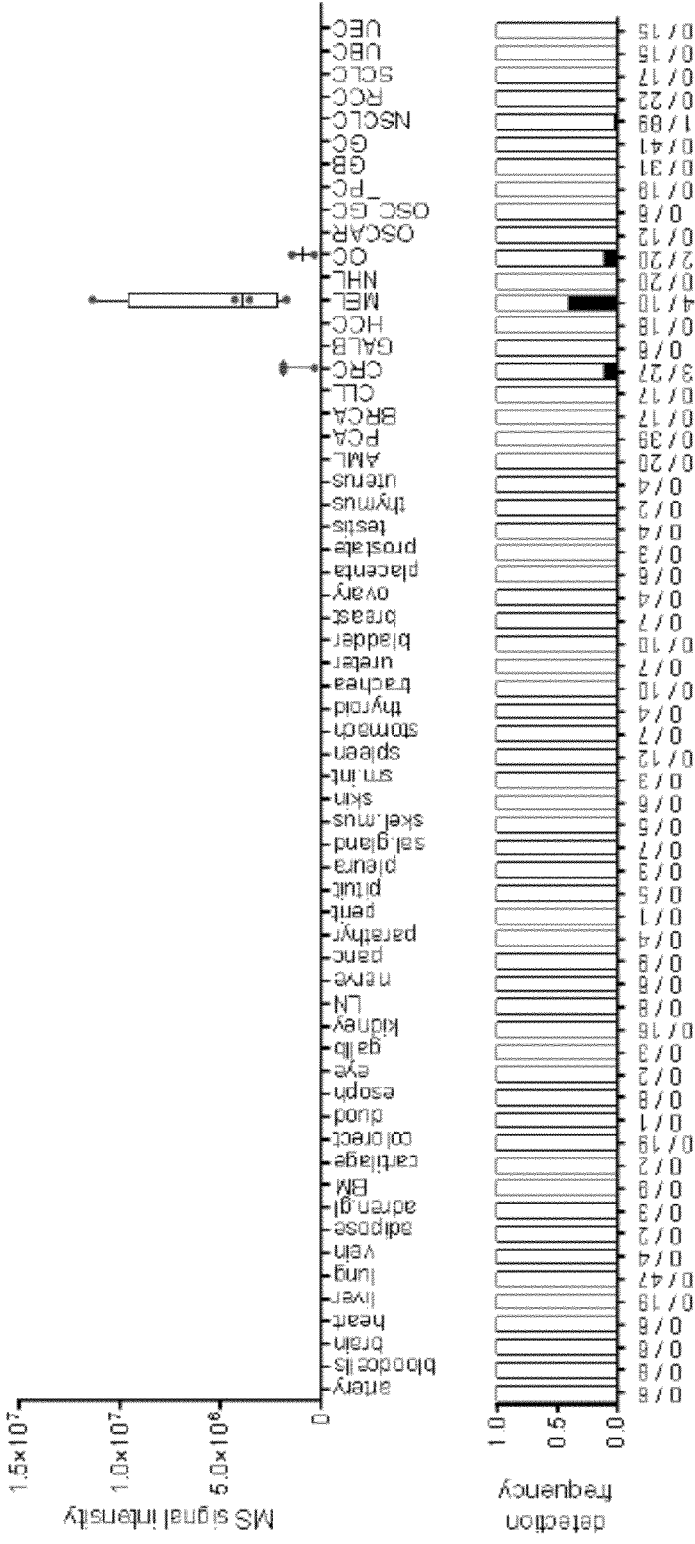
Figure 4F

SEQ ID NO: 40: MAGEA3-003



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathyr: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC.GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

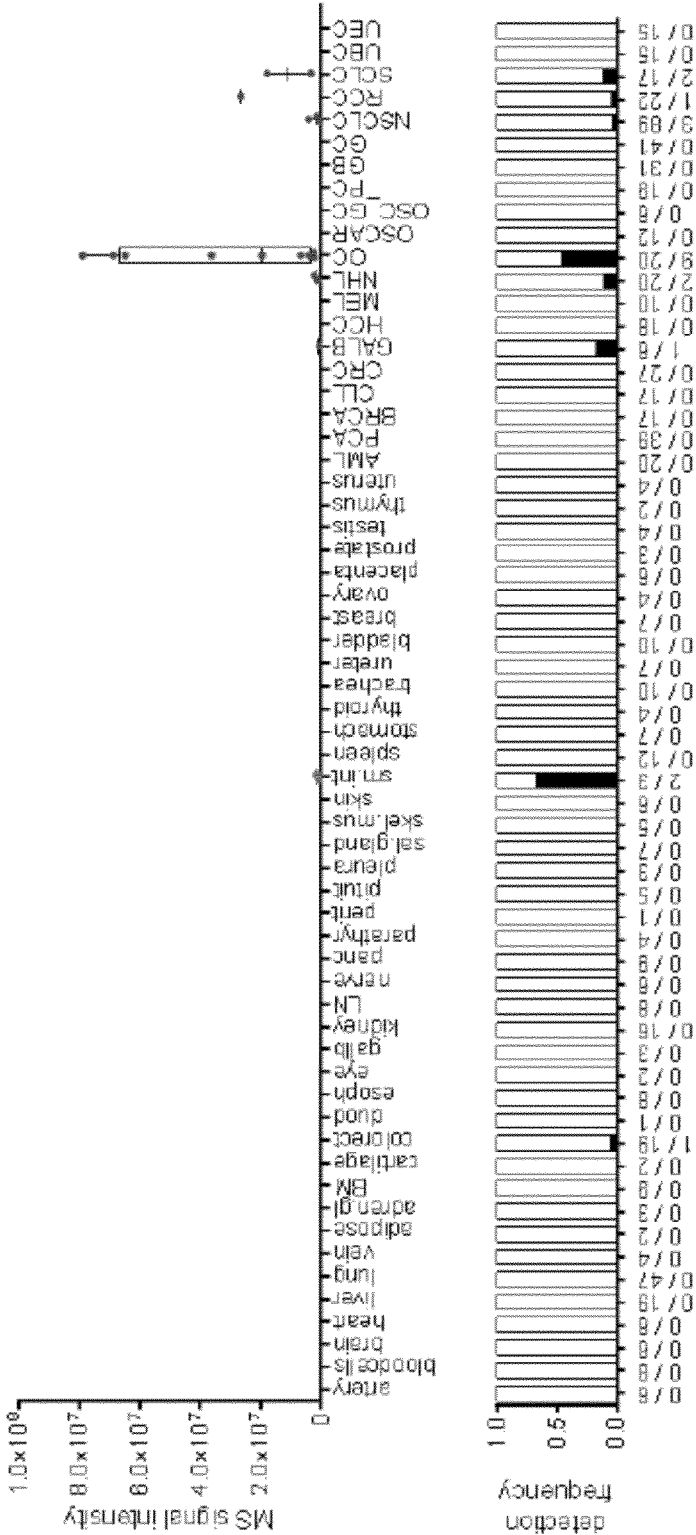
Figure 4G
SEQ ID NO: 85: FMN1-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; NSCLC; RCC; SCLC; UBC; UEC

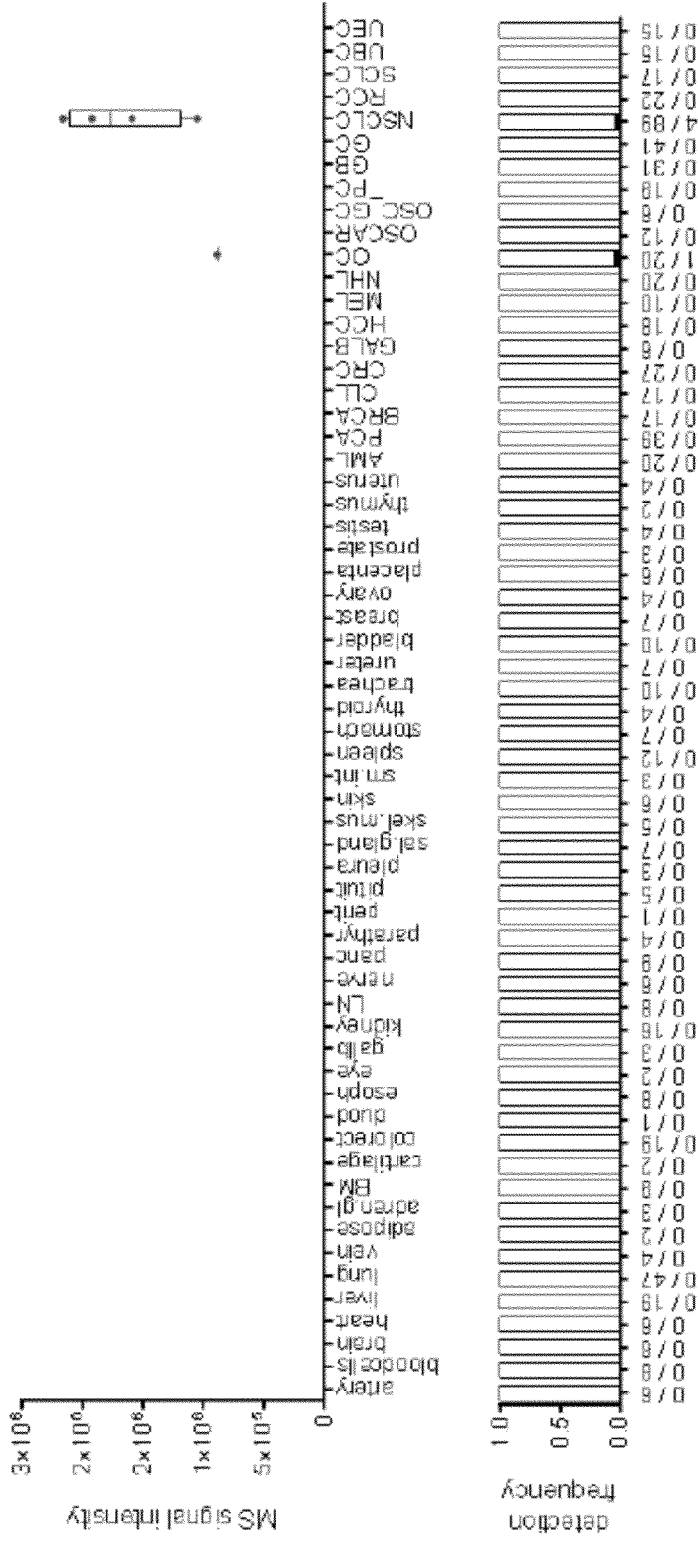
Figure 4H

SEQ ID NO: 89: HTR3A-001



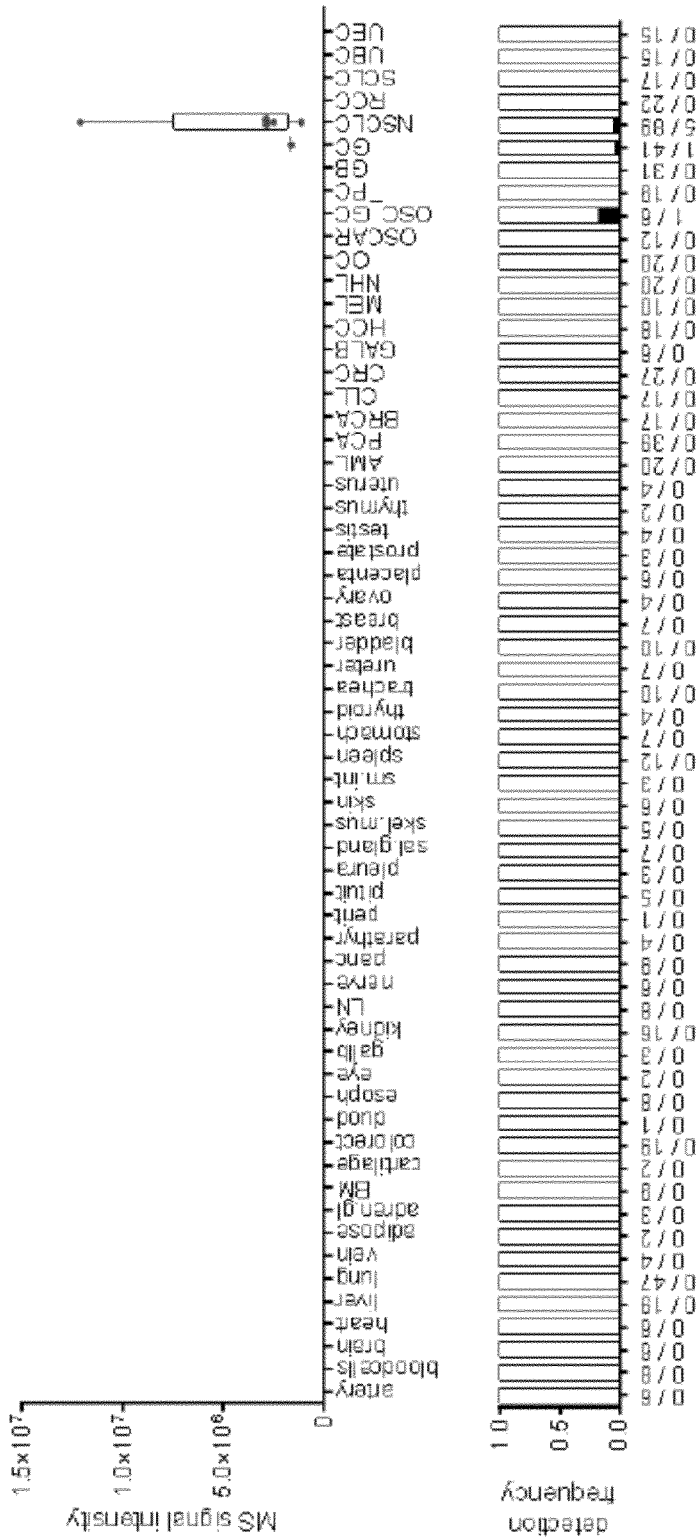
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Figure 4I
SEQ ID NO: 117: CABY-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; NSCLC; RCC; SCLC; UBC; UEC

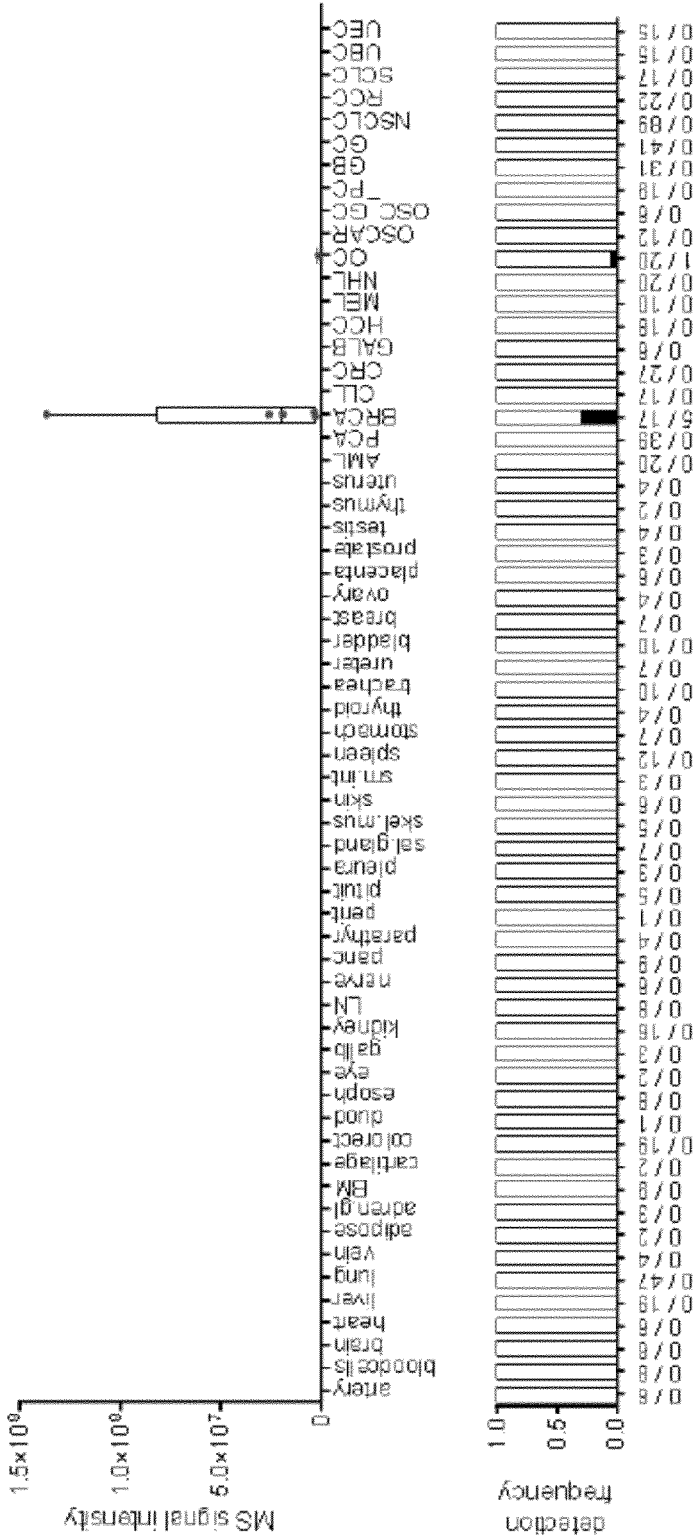
Figure 4J
SEQ ID NO: 153: CT83-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

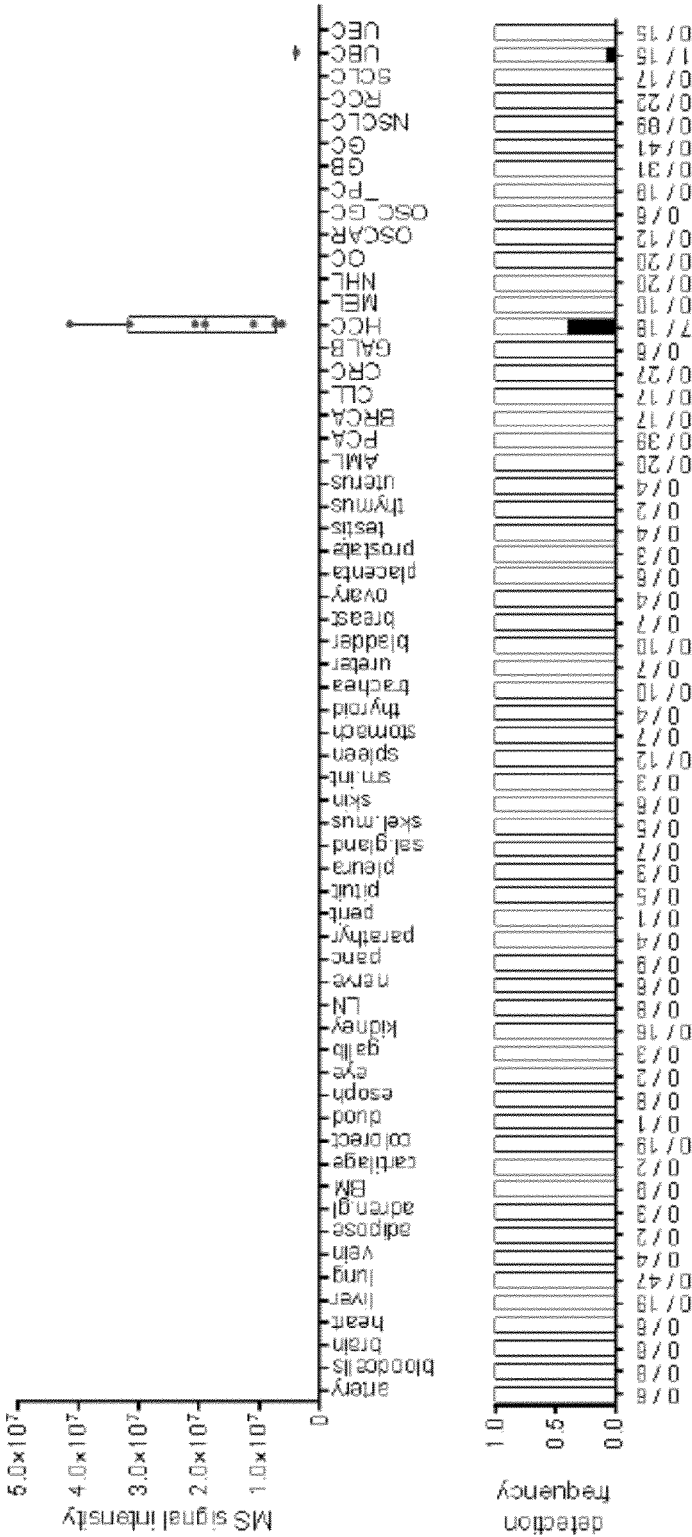
Figure 4K

SEQ ID NO: 155: CYP4Z-001



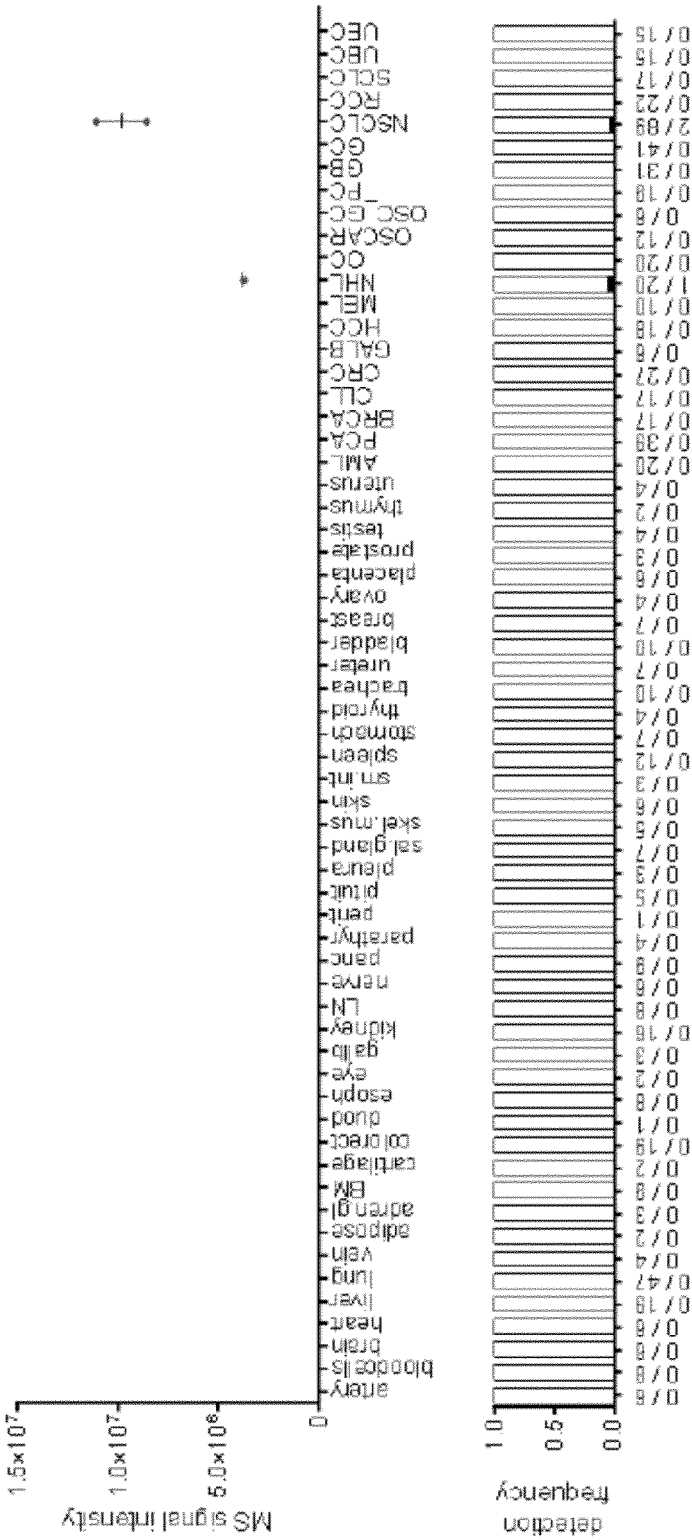
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Figure 4L
SEQ ID NO: 157: DCAF4L2-001



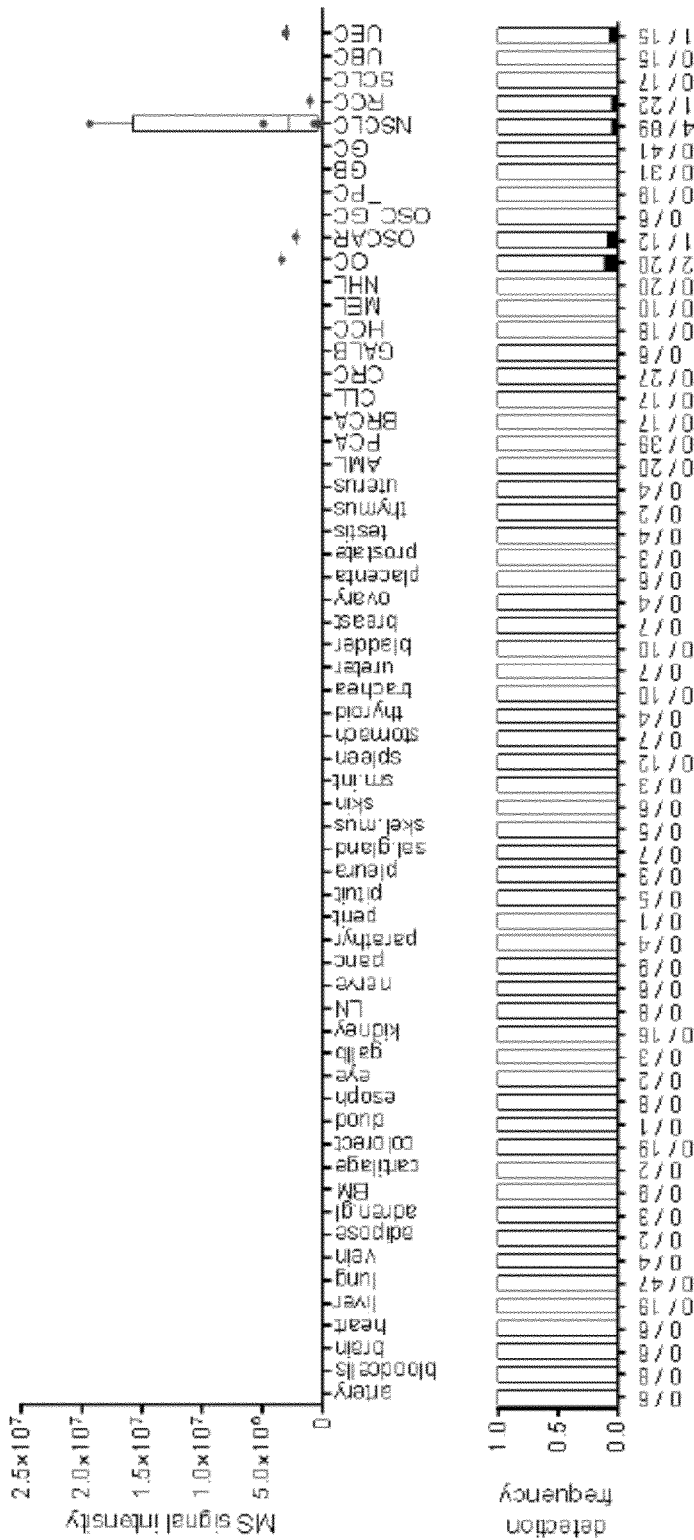
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; GC; NSCLC; RCC; SCLC; UEC

Figure 4M
SEQ ID NO: 168: HORMAD1-001



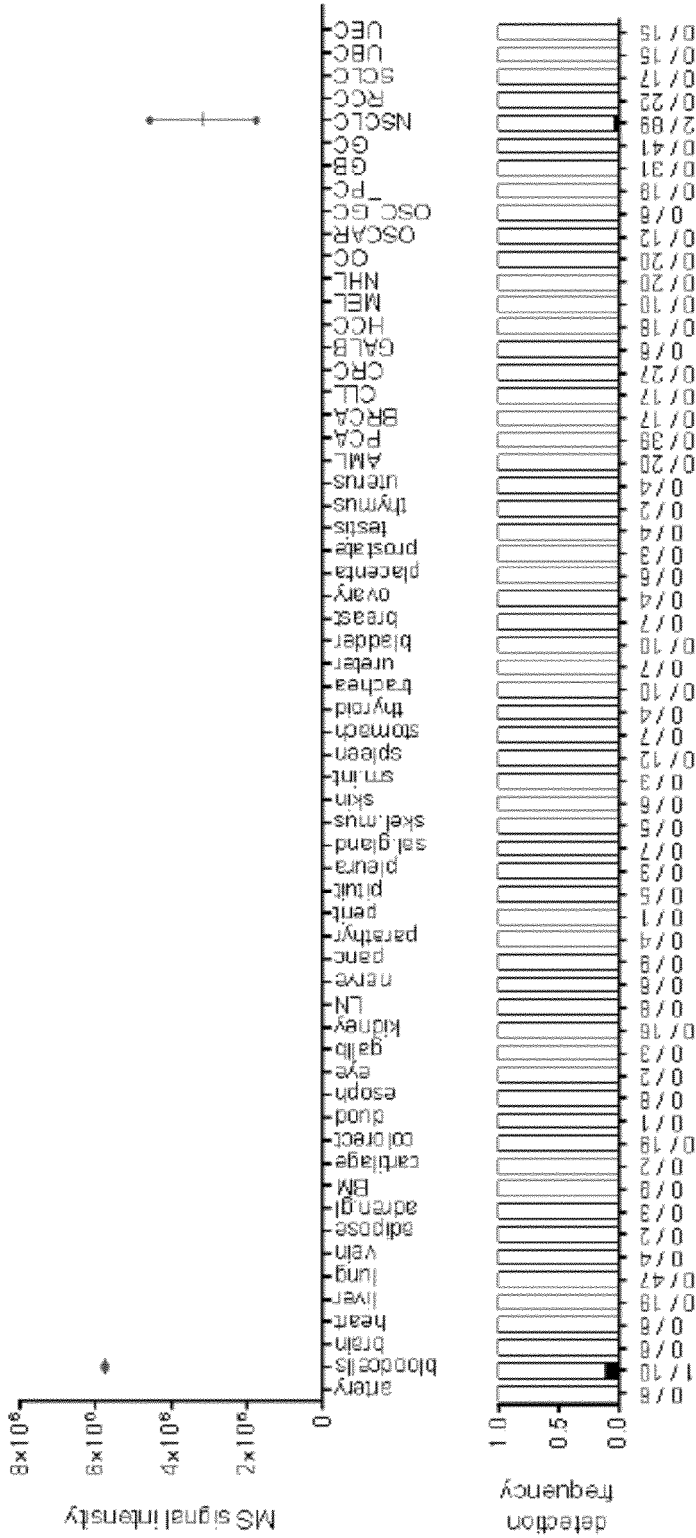
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Figure 4N
SEQ ID NO: 233: ZFP42-001



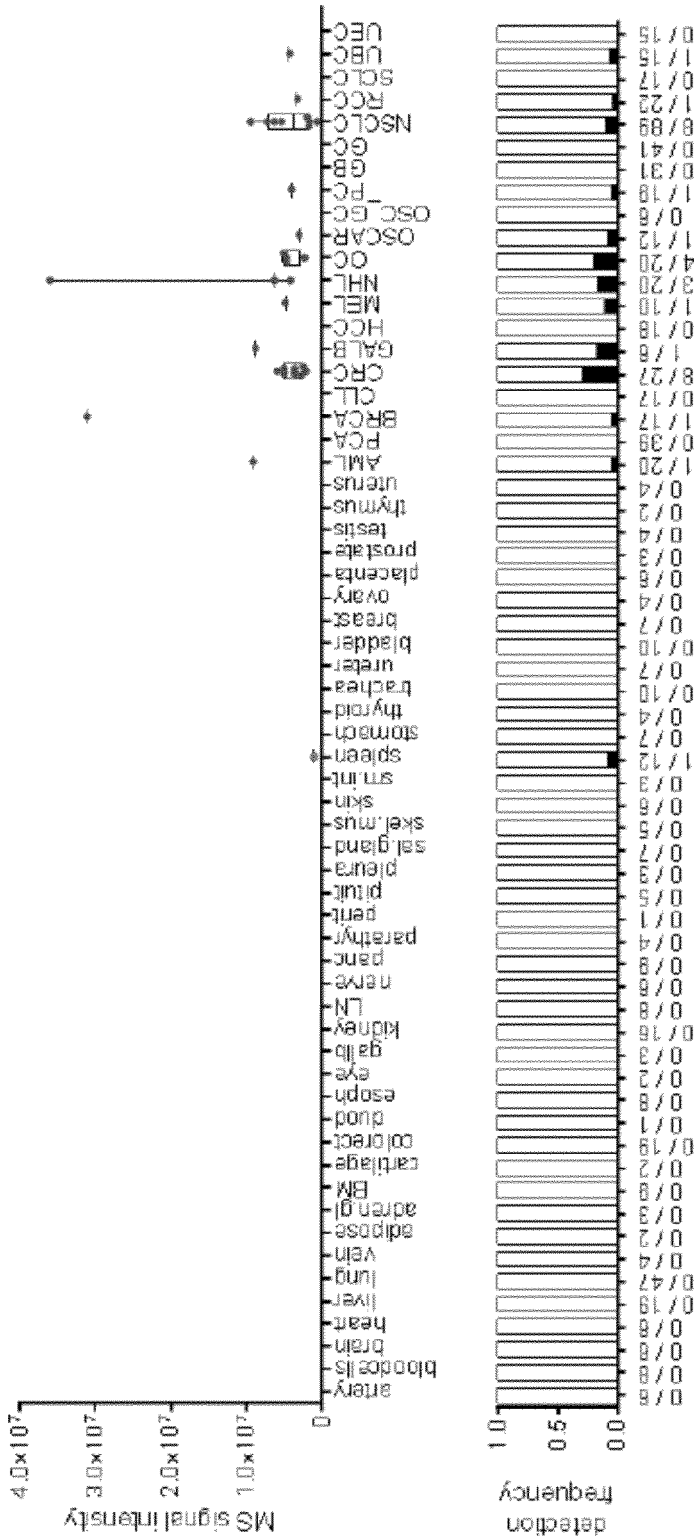
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; NSCLC; RCC; SCLC; UBC; UEC

Figure 40
SEQ ID NO: 245: MAGEA4-003



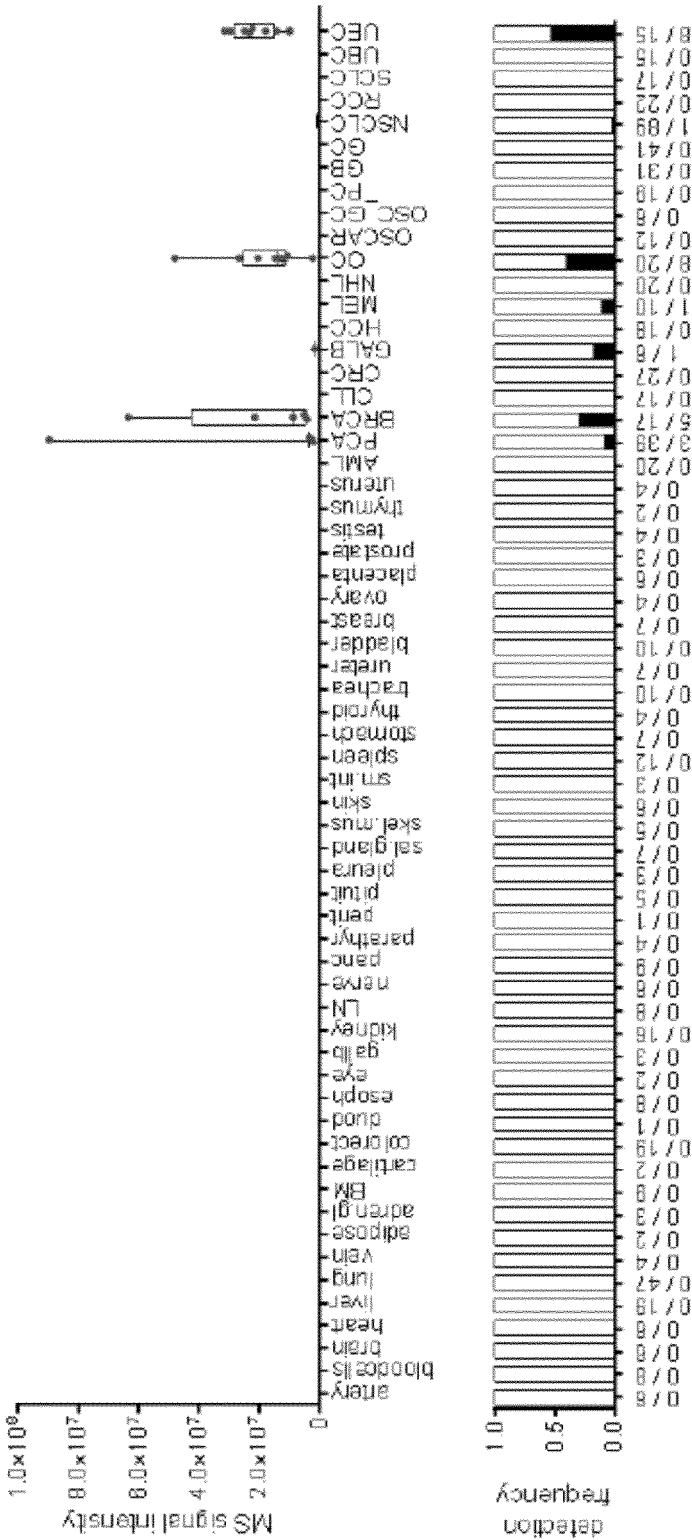
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose tissue; adren.gi.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 4P
SEQ ID NO: 253: RAD54B-002



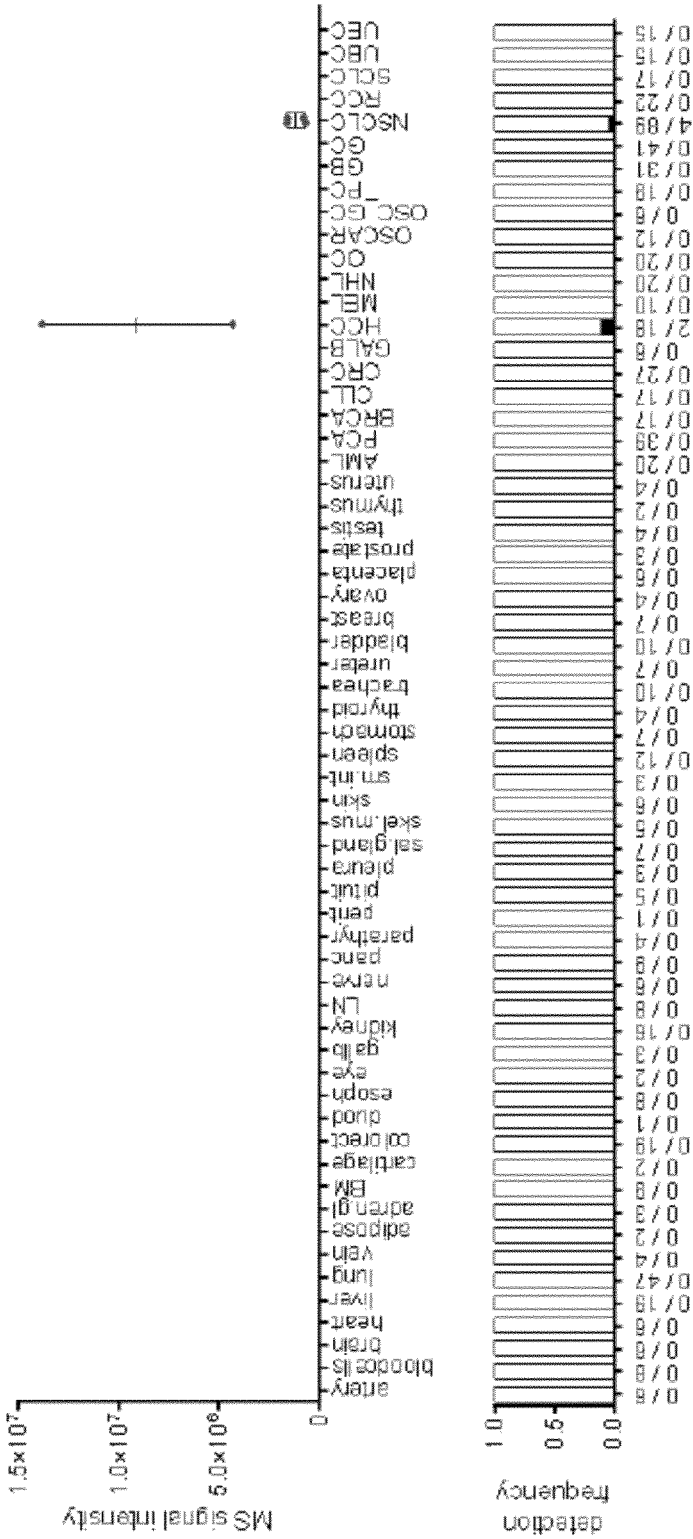
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin: skin; sm.int: small intestine; spleen: spleen; stomach: stomach; thyroid: thyroid; trachea: trachea; ureter: ureter; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 4Q
SEQ ID NO: 264: ESR1-001



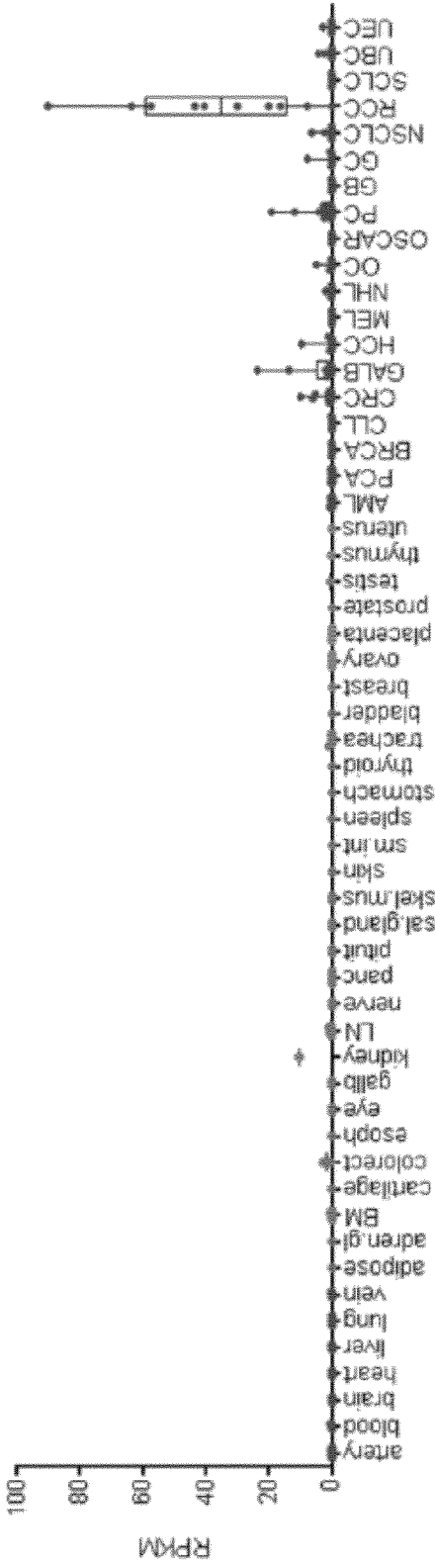
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gi.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC_GC; PC; GB; NSCLC; RCC; SCLC; UBC; UEC

Figure 4R
SEQ ID NO: 274: IGF-004



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; colorect: colon and rectum; duod: duodenum; esoph: esophagus; gallb: gallbladder; LN: lymph node; panc: pancreas; parathy: parathyroid gland; perit: peritoneum; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; ureter; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus. Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; OSC GC; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5A
SEQ ID NO: 11: HAVCR1-001



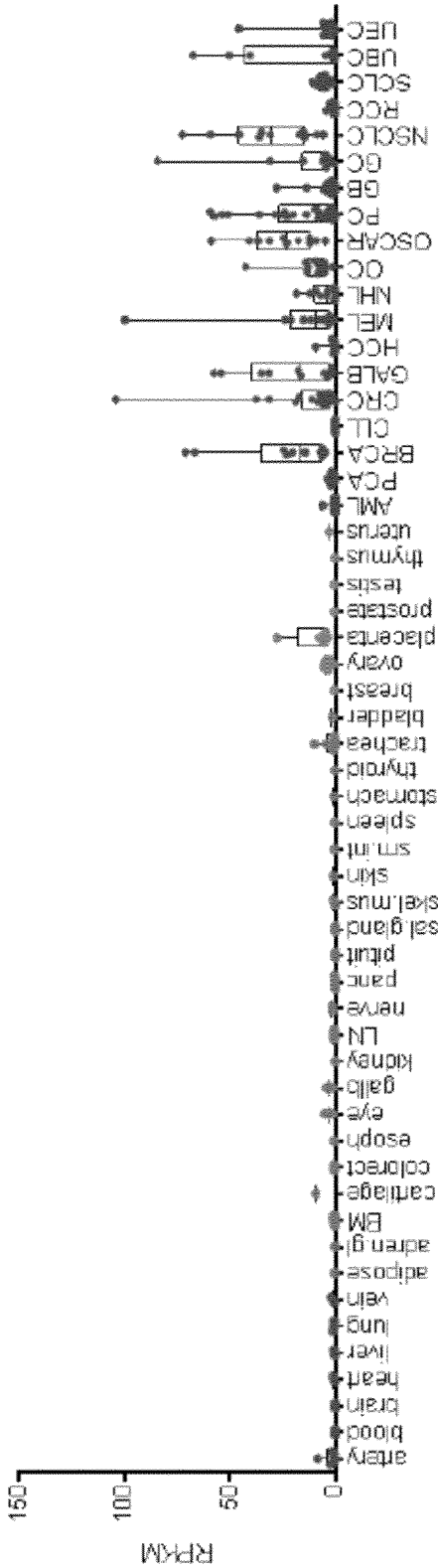
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5B
SEQ ID NO: 14: MMP1-003



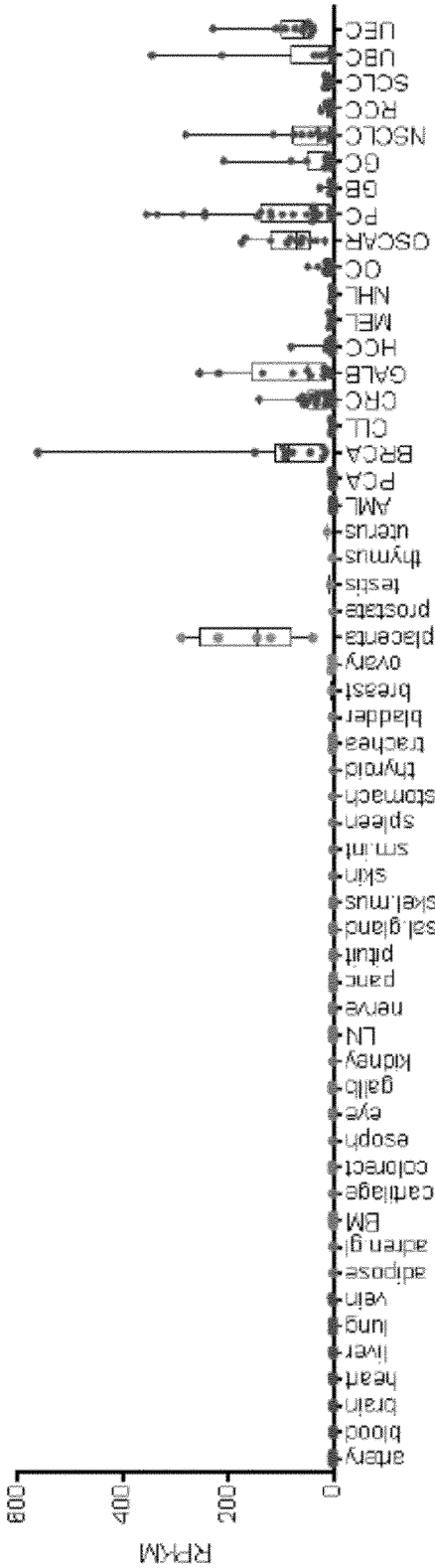
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5C
SEQ ID NO: 21: COL6A3-015



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5D
SEQ ID NO: 24: MMP-002



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5E
SEQ ID NO: 25: MXRA5-003



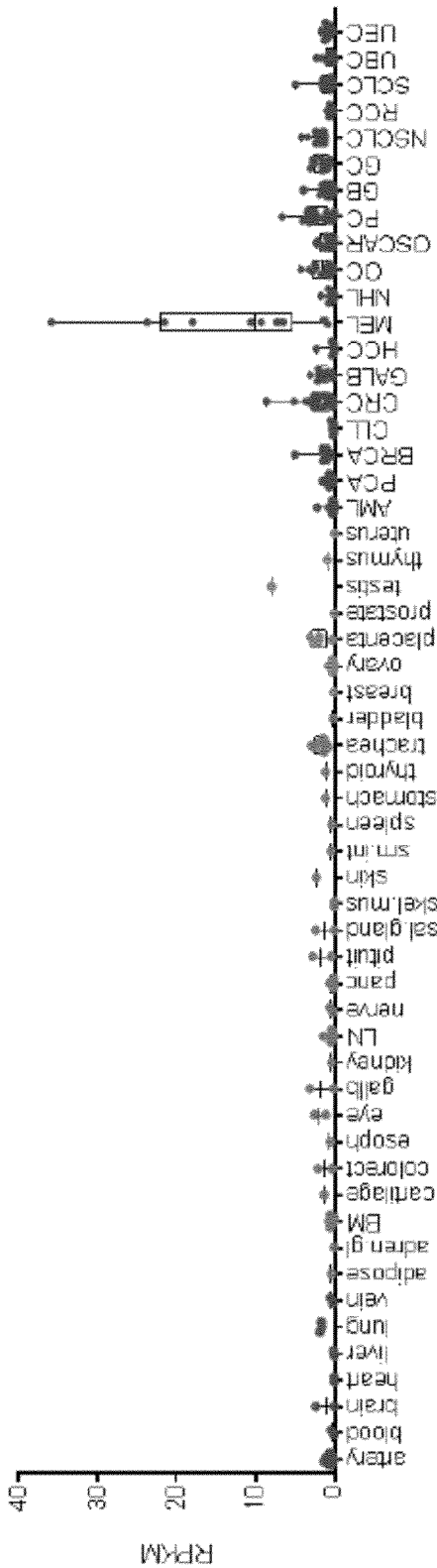
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5F
SEQ ID NO: 40: MAGEA3-003



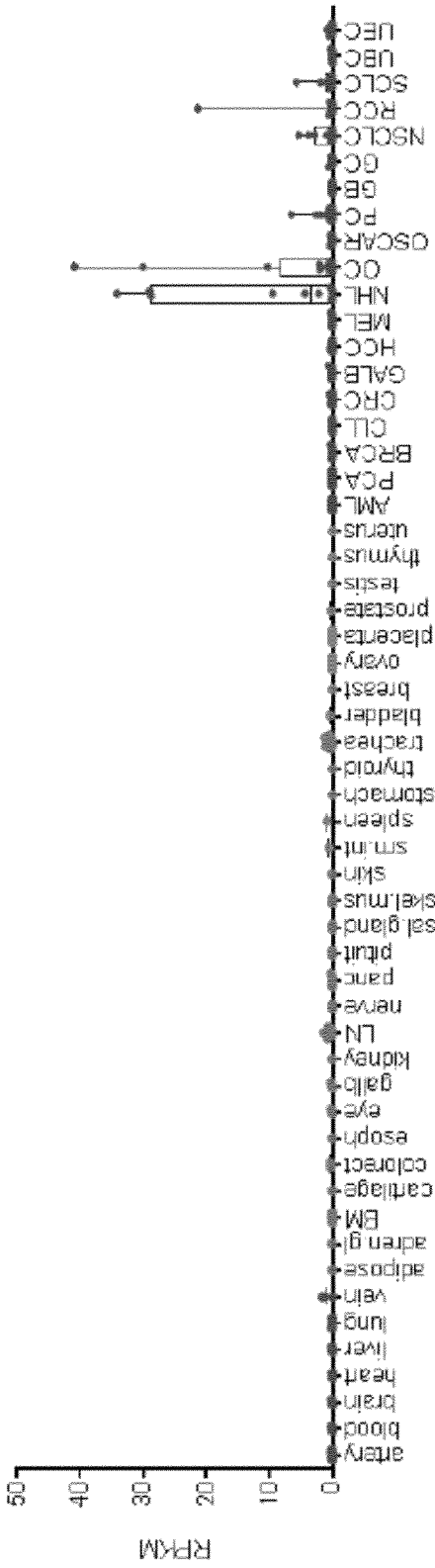
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5G
SEQ ID NO: 85: FMN1-001



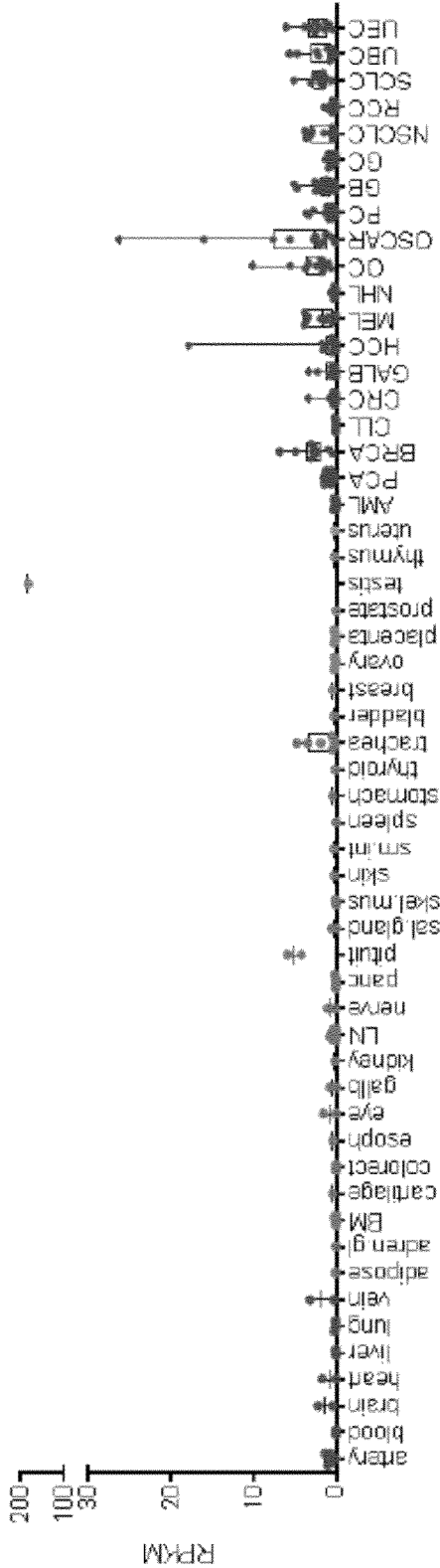
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5H
SEQ ID NO: 89: HTR3A-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

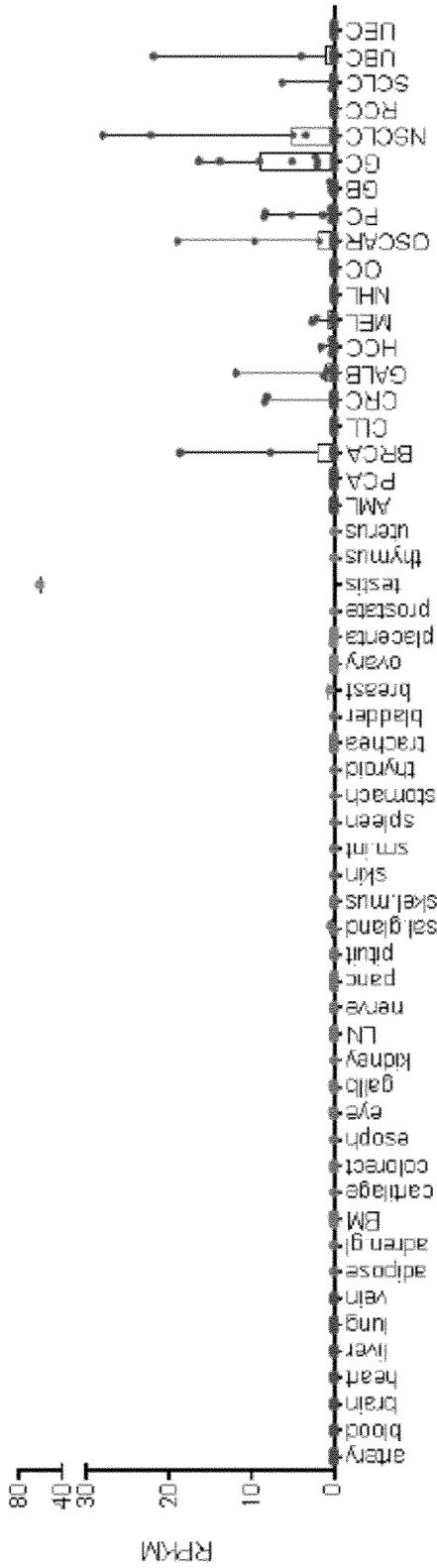
Figure 5I
SEQ ID NO: 117: CABY-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus

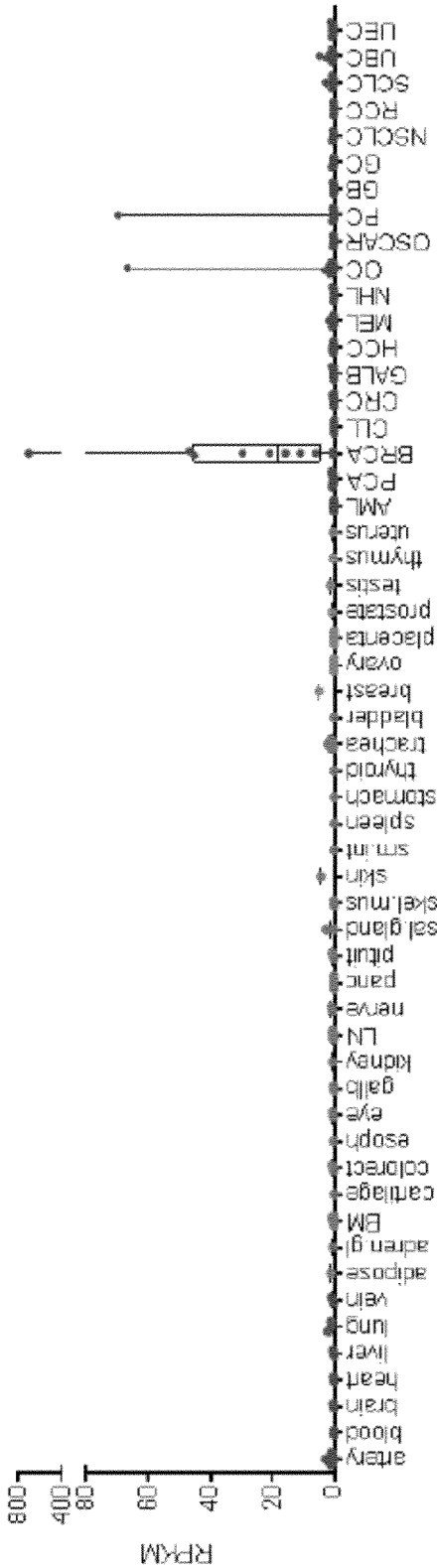
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; NSCLC; RCC; SCLC; UBC; UEC

Figure 5J
SEQ ID NO: 153: CT83-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

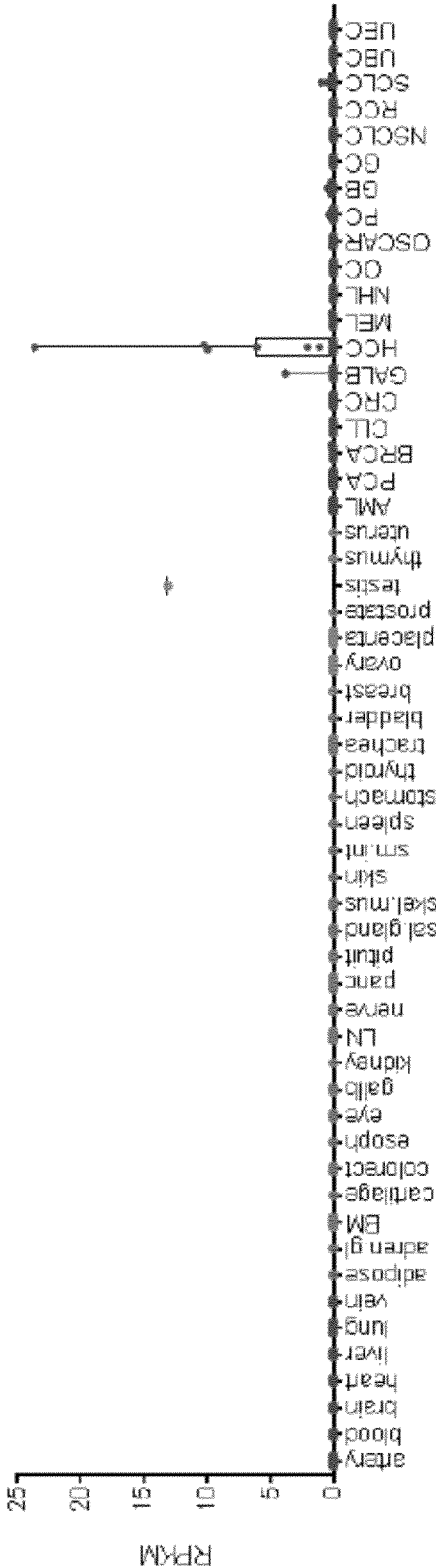
Figure 5K
SEQ ID NO: 155: CYP4Z-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

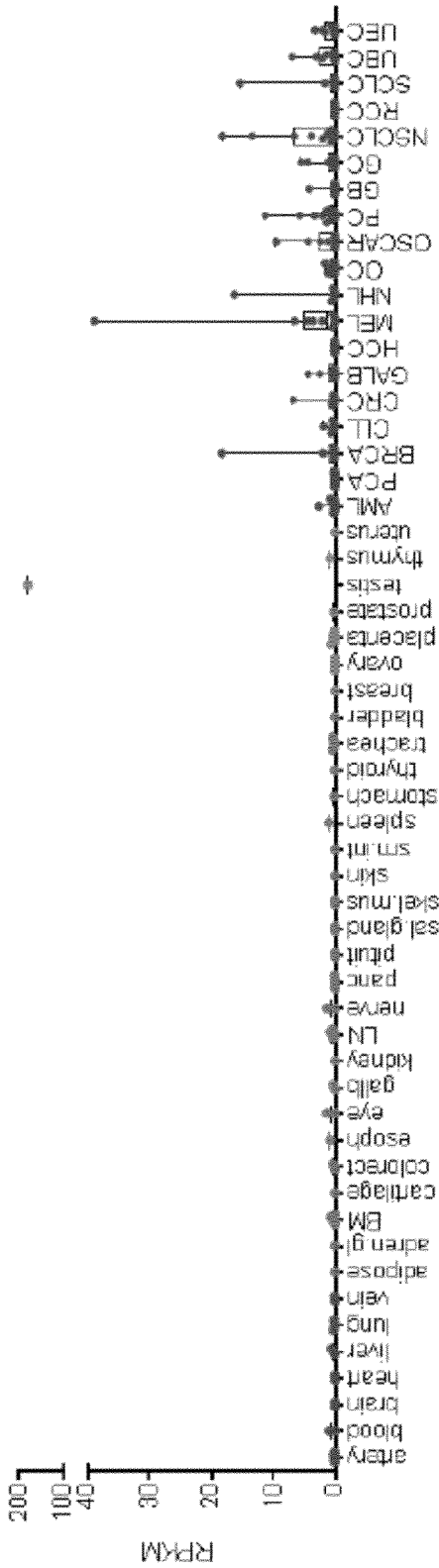
Figure 5L

SEQ ID NO: 157: DCAF4L2-001



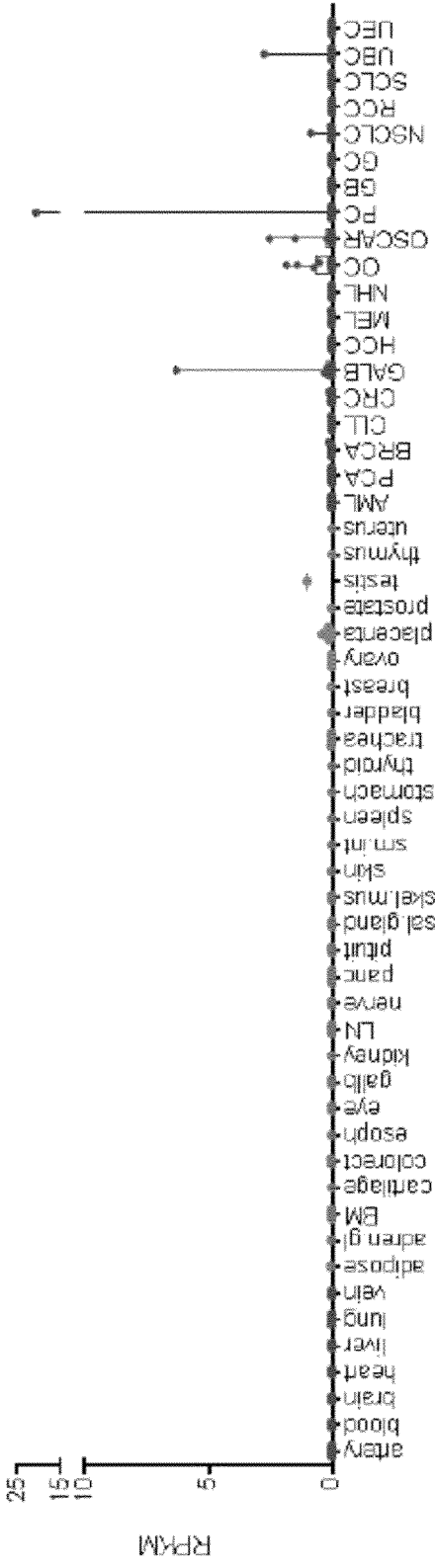
Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; NSCLC; RCC; SCLC; UBC; UEC

Figure 5M
SEQ ID NO: 168: HORMAD1-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

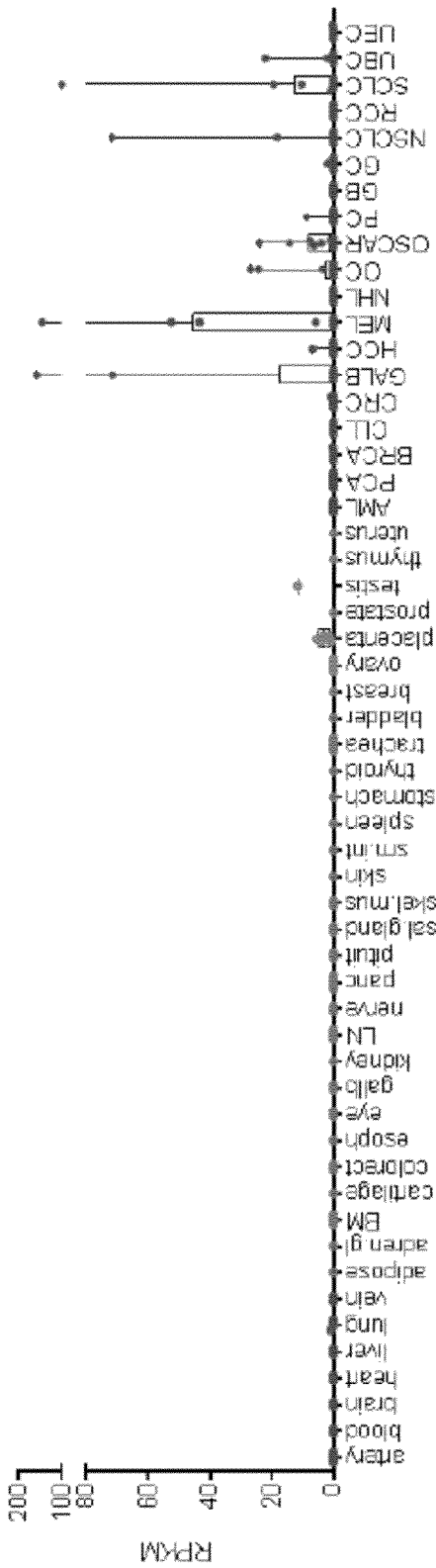
Figure 5N
SEQ ID NO: 233: ZFP42-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus

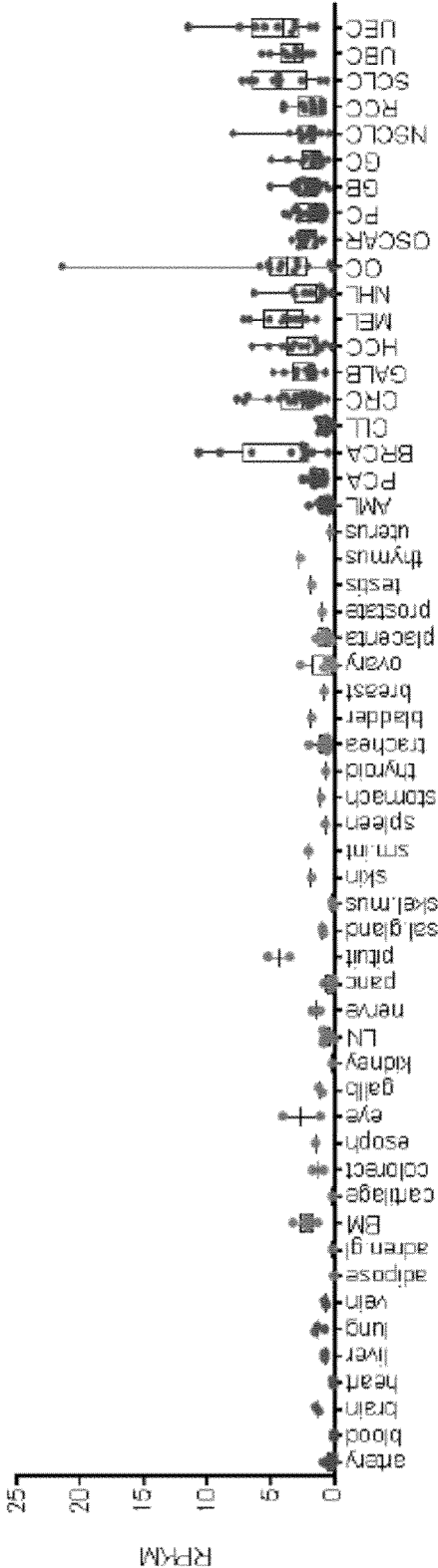
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 50
SEQ ID NO: 245: MAGEA4-003



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5P
SEQ ID NO: 253: RAD54B-002



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus

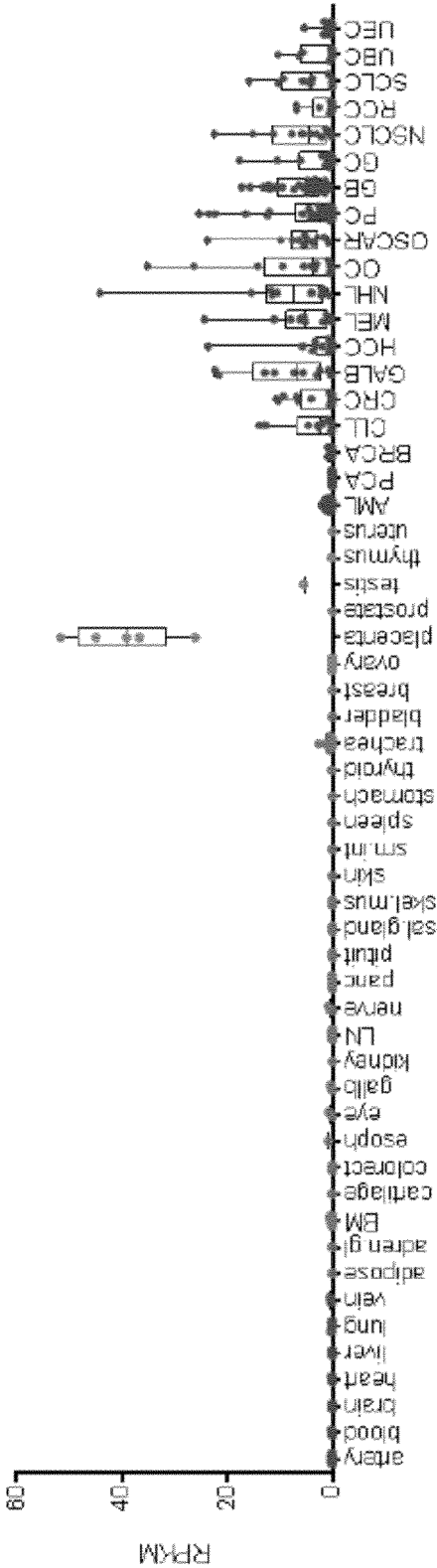
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UEC

Figure 5Q
SEQ ID NO: 264: ESR1-001



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 5R
SEQ ID NO: 274: IGF-004



Tissues (from left to right): Normal samples: artery; blood cells; brain; heart; liver; lung; vein; adipose: adipose tissue; adren.gl.: adrenal gland; BM: bone marrow; cartilage; colorect: colon and rectum; esoph: esophagus; eye; gallb: gallbladder; kidney; LN: lymph node; nerve; panc: pancreas; pituit: pituitary; sal.gland: salivary gland; skel.mus: skeletal muscle; skin; sm.int: small intestine; spleen; stomach; thyroid; trachea; bladder; breast; ovary; placenta; prostate; testis; thymus; uterus
Tumor samples: AML; PCA; BRCA; CLL; CRC; GALB; HCC; MEL; NHL; OC; OSCAR; PC; GB; GC; NSCLC; RCC; SCLC; UBC; UEC

Figure 6

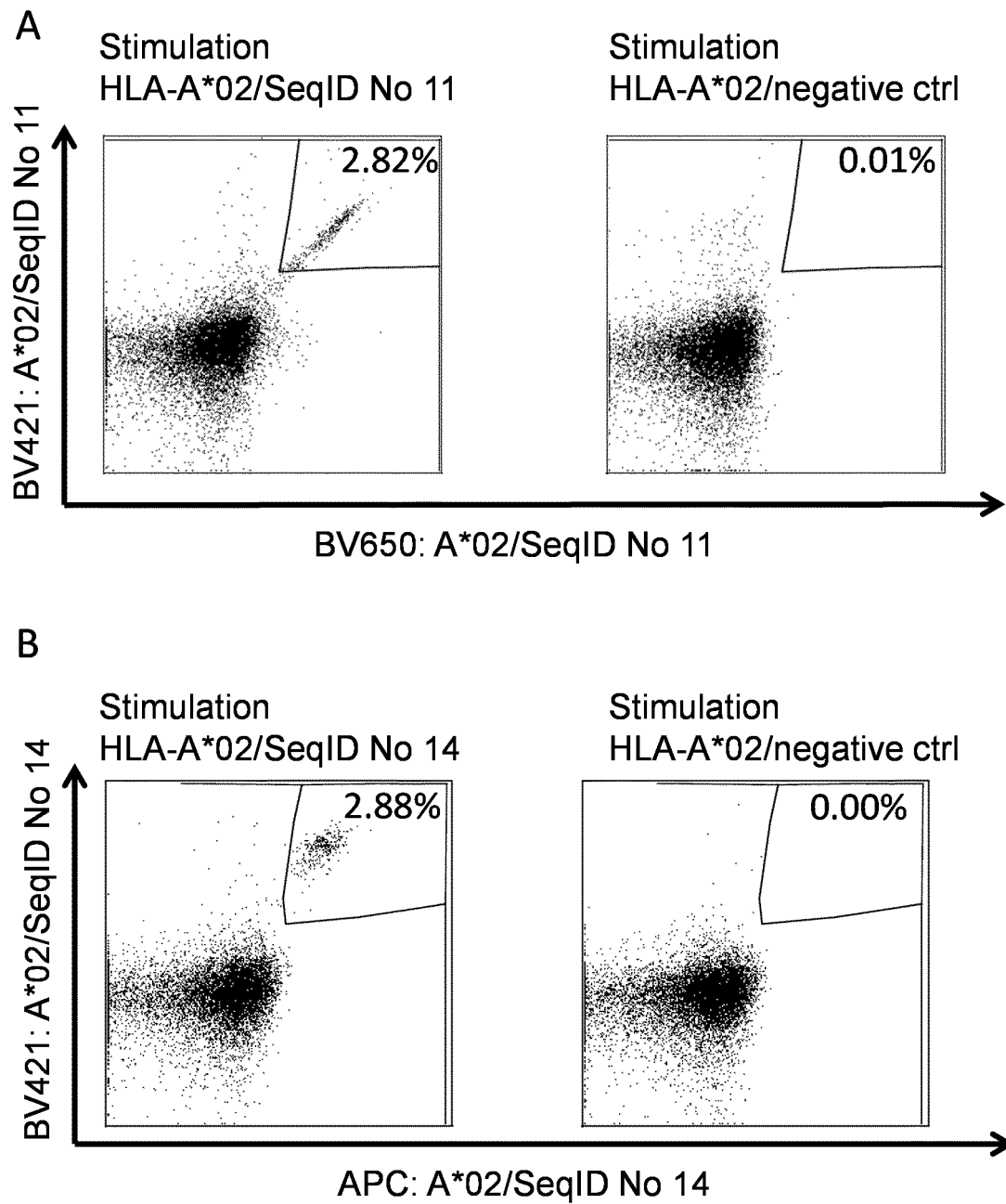


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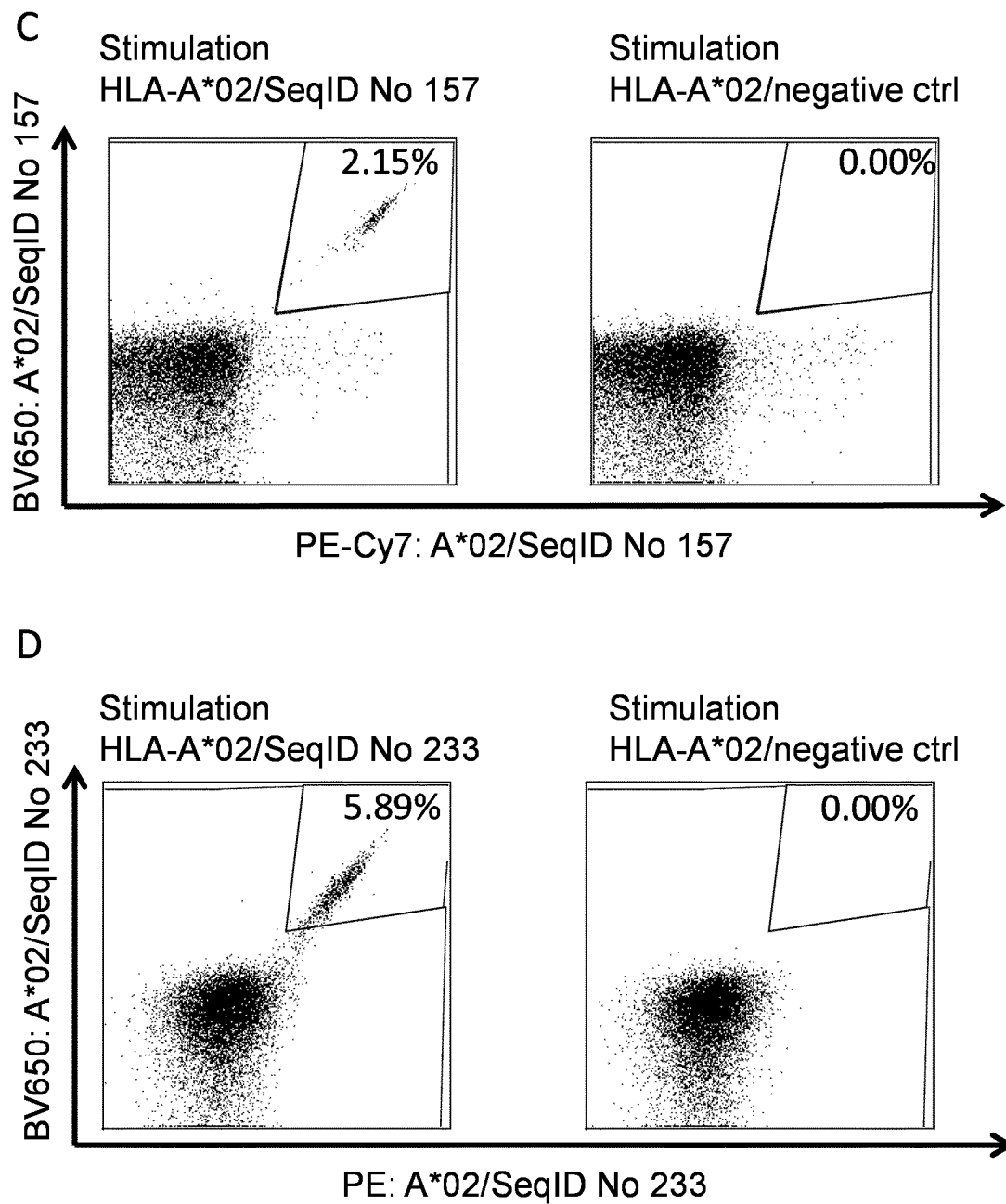


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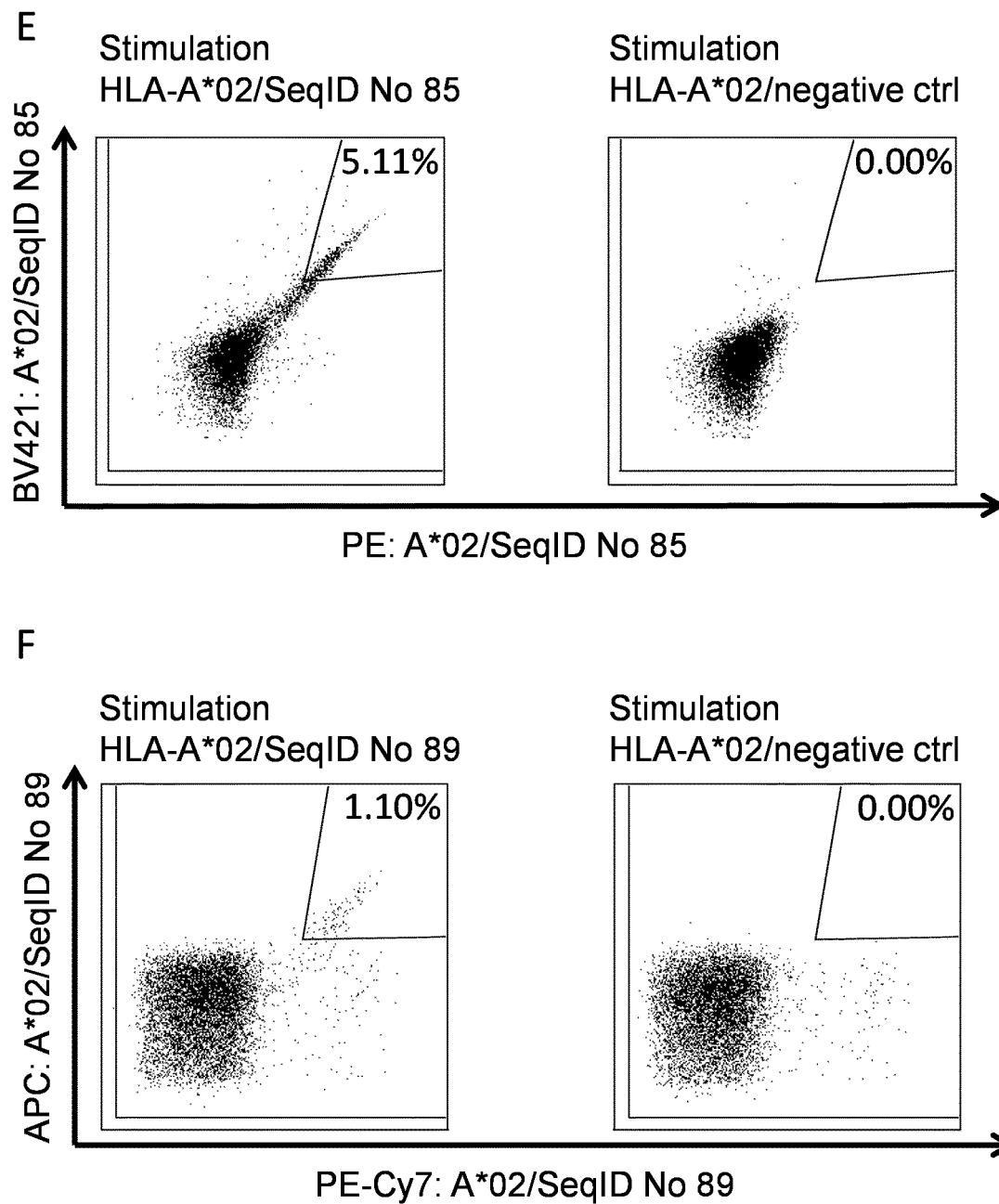


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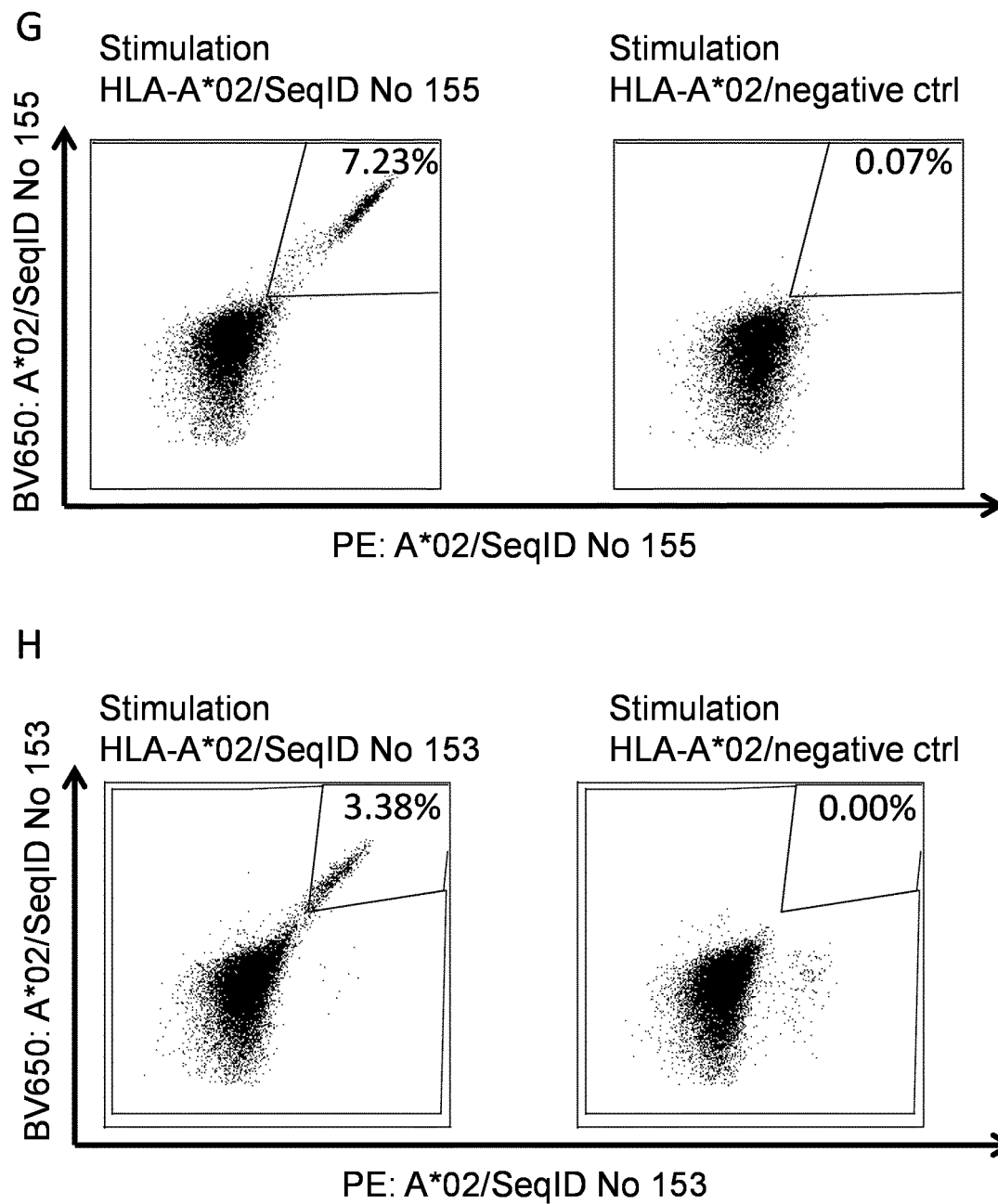


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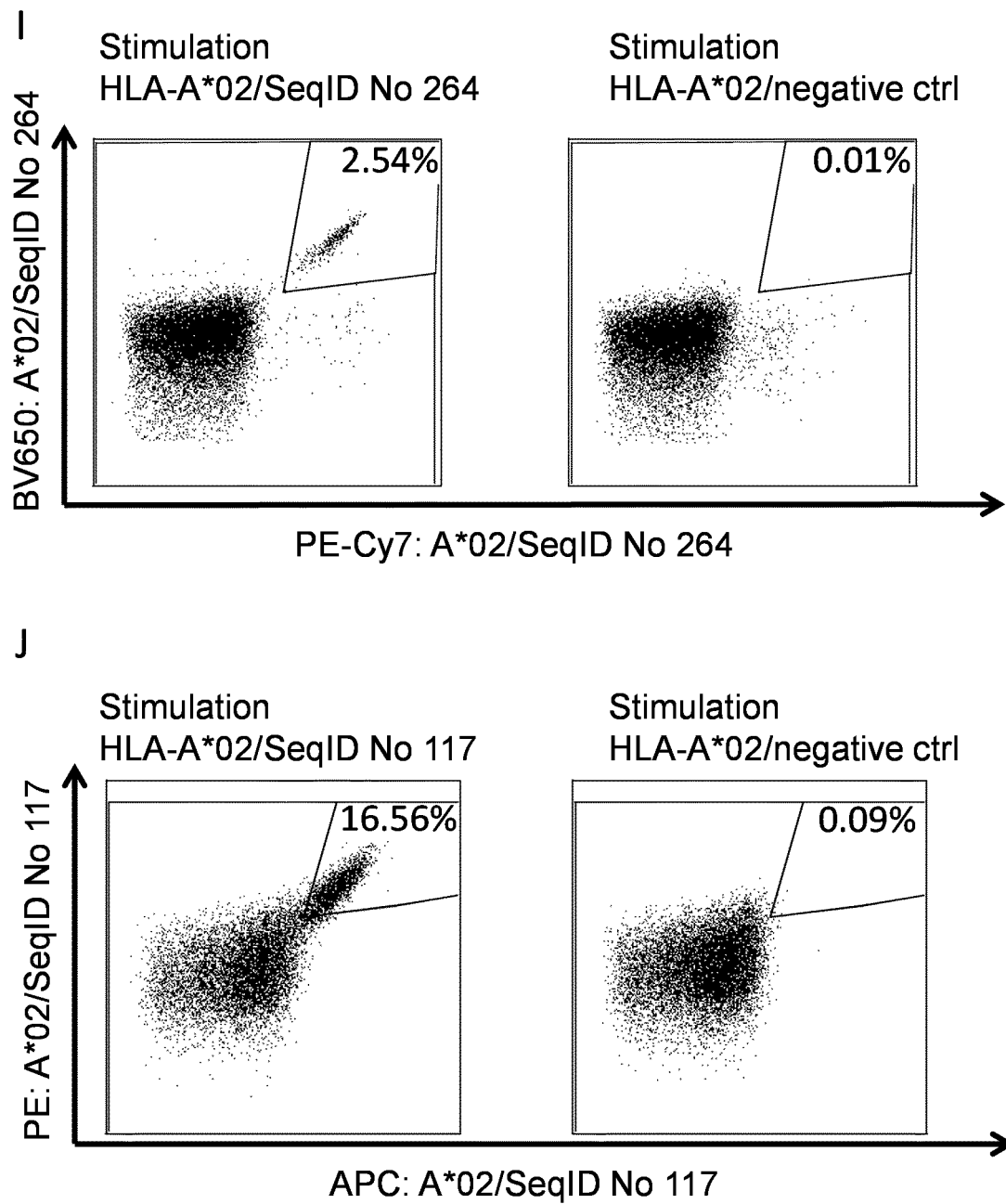


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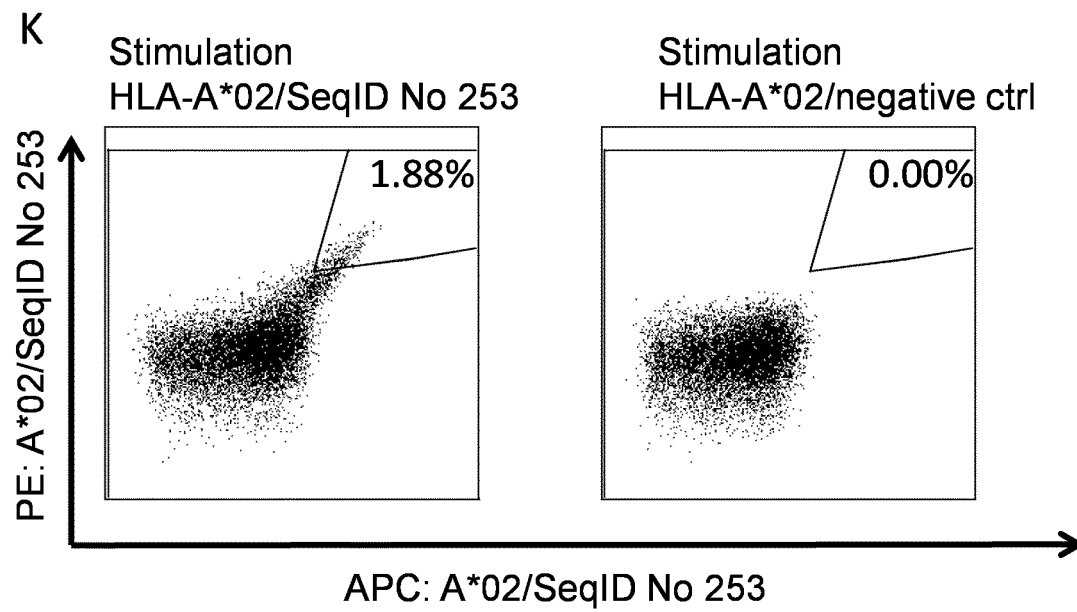


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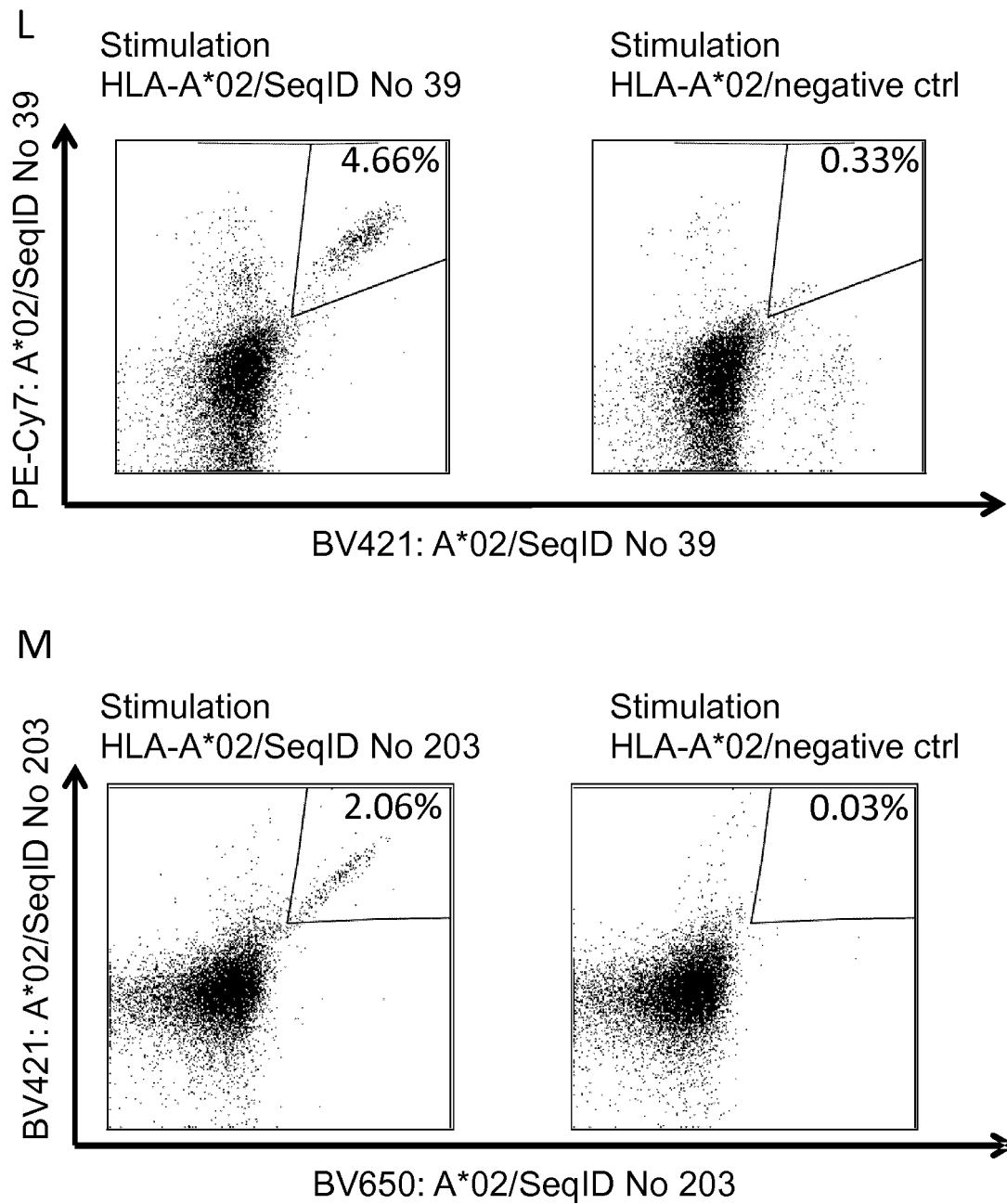
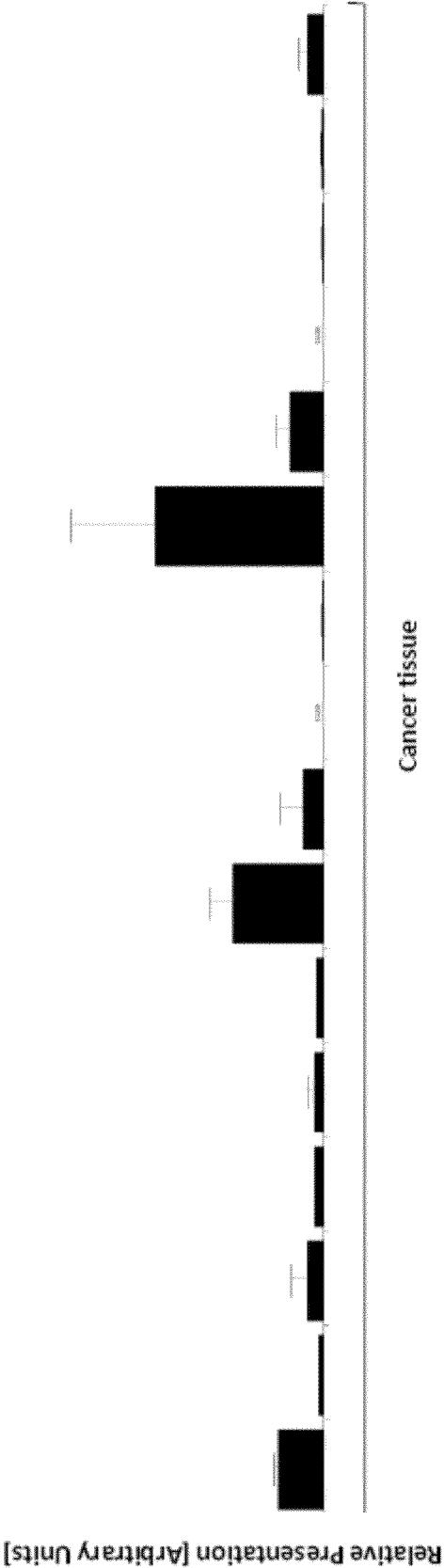


Figure 7A

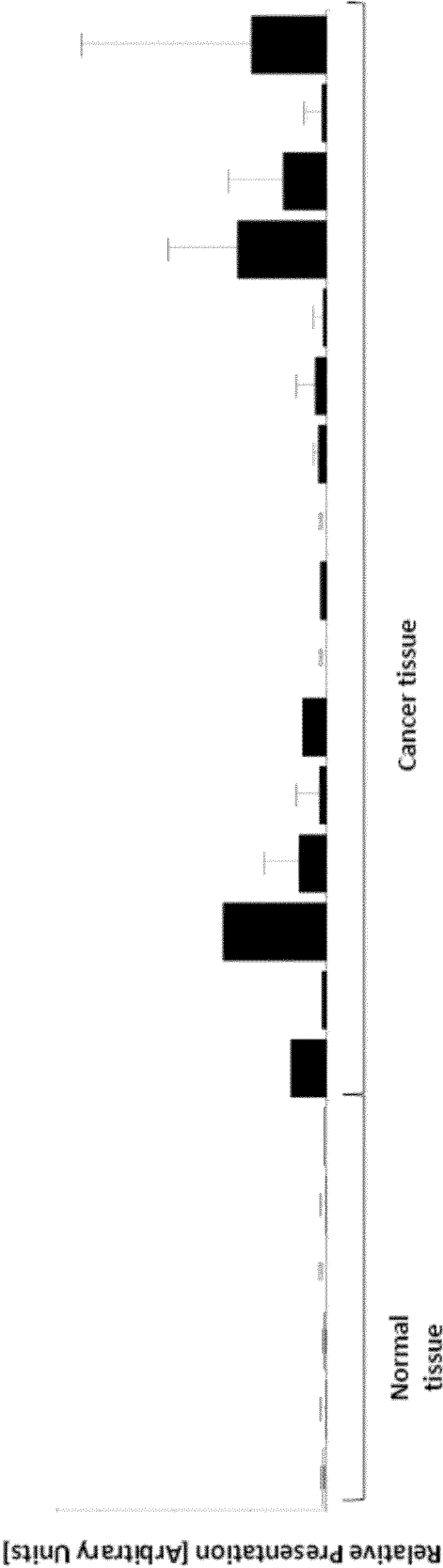
Peptide: LLIPFTIFM (A*02)
SEQ ID NO: 43



Peptide detected on
16 cancer tissues (1 bile duct cancer, 1 breast cancer, 1 colon cancer, 7 lung cancers, 2 lymph node cancers, 3 ovarian cancers, 1 skin cancer) (from left to right)

Figure 7B

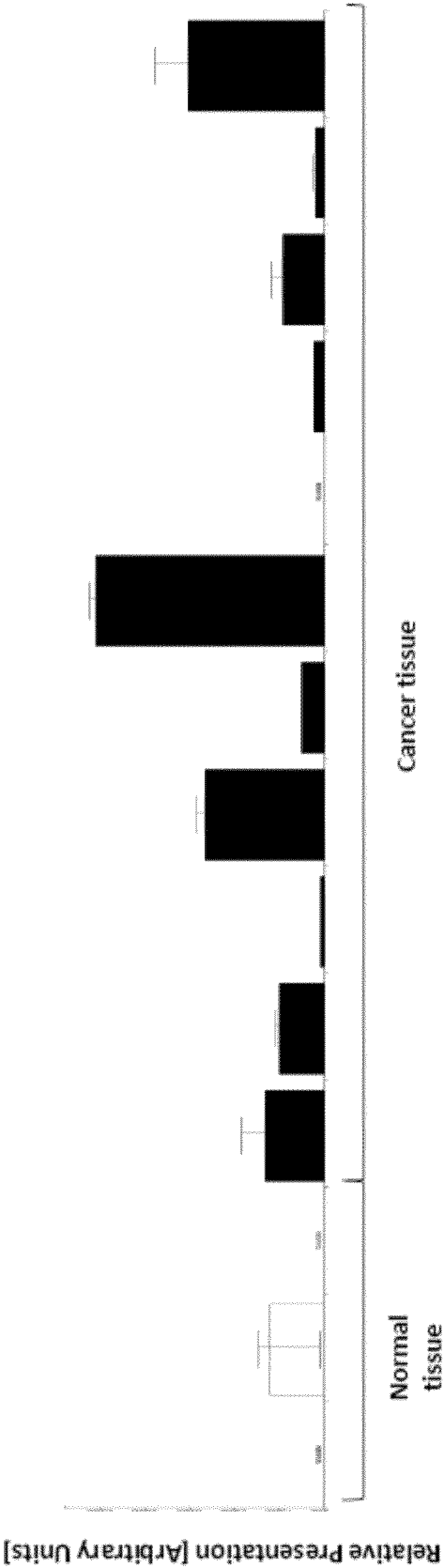
Peptide: ILVTSIFFL (A*02)
SEQ ID NO: 152



Peptide detected on
6 normal tissues (1 lymph node, 5 spleens), 16 cancer tissues (8 leukocytic leukemia cancers, 8 lymph node cancers) (from left to right)

Figure 7C

Peptide: VILTSSPFL (A*02)
SEQ ID NO: 156



Peptide detected on
3 normal tissues (1 lung, 1 lymph node, 1 spleen), 11 cancer tissues (2 breast cancers, 5 leukocytic leukemia cancers, 3 lymph node cancers, 1 myeloid cells cancer) (from left to right)