

Additional file 3.

Protein	AUC (95% CI)	Rank	Sensitivity at 95% Specificity (95% CI)	Rank
HE4	1 (0.98, 1)	1	0.99 (0.91, 1)	2
CA.125	1 (0.97, 1)	2	1 (0.89, 1)	1
KLK6	0.95 (0.91, 0.99)	3	0.88 (0.74, 0.97)	3
MK	0.95 (0.9, 0.99)	4	0.79 (0.61, 0.96)	4
hK11	0.93 (0.87, 0.97)	5	0.7 (0.48, 0.91)	6
FR.alpha	0.91 (0.83, 0.98)	6	0.75 (0.55, 0.93)	5
IL.6	0.91 (0.82, 0.97)	7	0.69 (0.44, 0.88)	7
CSF.1	0.87 (0.75, 0.96)	8	0.4 (0.12, 0.8)	20
CXCL13	0.86 (0.77, 0.95)	9	0.6 (0.32, 0.82)	9
EZR	0.86 (0.76, 0.93)	10	0.63 (0.42, 0.83)	8
PRSS8	0.86 (0.74, 0.94)	11	0.56 (0.32, 0.81)	12
FUR	0.84 (0.74, 0.94)	12	0.48 (0.27, 0.76)	15
AM	0.83 (0.71, 0.94)	13	0.46 (0.22, 0.77)	17
CXCL10	0.83 (0.73, 0.92)	14	0.57 (0.32, 0.8)	10
TNF.R1	0.8 (0.67, 0.93)	15	0.36 (0.09, 0.75)	23
CSTB	0.79 (0.64, 0.92)	16	0.36 (0.11, 0.76)	22
ILT.3	0.79 (0.65, 0.91)	17	0.32 (0.09, 0.7)	26
CXCL9	0.78 (0.65, 0.9)	18	0.48 (0.21, 0.74)	16
VEGF.A	0.77 (0.65, 0.88)	19	0.52 (0.26, 0.71)	14
IL.7	0.76 (0.62, 0.89)	20	0.38 (0.14, 0.64)	21
ITGA1	0.76 (0.62, 0.88)	21	0.57 (0.38, 0.75)	11
ErbB4.HER4	0.75 (0.62, 0.86)	22	0.53 (0.32, 0.7)	13
IL.8	0.74 (0.56, 0.9)	23	0.2 (0.01, 0.66)	50
MCP.1	0.74 (0.59, 0.89)	24	0.22 (0.06, 0.57)	43
U.PAR	0.74 (0.57, 0.85)	25	0.15 (0.03, 0.41)	58
LYN	0.73 (0.58, 0.89)	26	0.3 (0.1, 0.57)	29
TNF.R2	0.73 (0.57, 0.87)	27	0.28 (0.06, 0.62)	33
CDH3	0.73 (0.57, 0.86)	28	0.36 (0.17, 0.6)	24
NTRK3	0.72 (0.58, 0.84)	29	0.42 (0.2, 0.64)	18
TRAIL.R2	0.72 (0.57, 0.87)	30	0.21 (0.02, 0.62)	45
Ep.CAM	0.71 (0.54, 0.87)	31	0.14 (0.01, 0.5)	59
FS	0.71 (0.55, 0.91)	32	0.17 (0.01, 0.64)	52
PARK7	0.71 (0.56, 0.84)	33	0.28 (0.1, 0.56)	32
SCF	0.7 (0.52, 0.88)	34	0.25 (0.01, 0.71)	39
FADD	0.7 (0.54, 0.82)	35	0.35 (0.14, 0.56)	25
CXCL11	0.69 (0.54, 0.87)	36	0.14 (0, 0.66)	60
EGFR	0.69 (0.53, 0.82)	37	0.28 (0.09, 0.53)	35
PDGF.subunit.B	0.69 (0.53, 0.85)	38	0.15 (0.03, 0.46)	56
VIM	0.69 (0.53, 0.82)	39	0.05 (0.01, 0.23)	84
ICOSLG	0.69 (0.55, 0.85)	40	0.41 (0.22, 0.62)	19
TNFSF14	0.69 (0.53, 0.86)	41	0.27 (0.12, 0.5)	37
MMP.1	0.69 (0.55, 0.84)	42	0.2 (0.06, 0.42)	47
TNFRSF4	0.68 (0.53, 0.82)	43	0.29 (0.04, 0.57)	30
GDF.15	0.68 (0.51, 0.88)	44	0.05 (0, 0.56)	85
BAFF	0.68 (0.5, 0.91)	45	0.11 (0, 0.67)	67

HGF	0.67 (0.51, 0.84)	46	0.2 (0.02, 0.63)	48
IL.1ra	0.66 (0.5, 0.84)	47	0.17 (0.03, 0.45)	53
FAS	0.66 (0.49, 0.81)	48	0.32 (0.05, 0.63)	27
FasL	0.66 (0.51, 0.81)	49	0.12 (0.01, 0.37)	63
HB.EGF	0.66 (0.5, 0.83)	50	0.16 (0.03, 0.46)	54
IL.6RA	0.65 (0.47, 0.8)	51	0.24 (0.07, 0.53)	41
CD69	0.65 (0.47, 0.8)	52	0.23 (0.06, 0.45)	42
Flt3L	0.65 (0.47, 0.81)	53	0.11 (0.02, 0.34)	70
EMMPRIN	0.64 (0.47, 0.79)	54	0.29 (0.1, 0.49)	31
MIC.A	0.64 (0.49, 0.82)	55	0.1 (0, 0.33)	71
PIGF	0.64 (0.47, 0.81)	56	0.13 (0, 0.54)	62
CD40.L	0.64 (0.45, 0.85)	57	0.28 (0.14, 0.53)	34
LITAF	0.64 (0.48, 0.79)	58	0.13 (0.02, 0.38)	61
CASP.3	0.64 (0.48, 0.77)	59	0.26 (0.07, 0.48)	38
VEGFR.2	0.64 (0.49, 0.82)	60	0.08 (0.01, 0.41)	79
PTPN22	0.63 (0.46, 0.79)	61	0.09 (0.01, 0.28)	77
ErbB3.HER3	0.62 (0.45, 0.77)	62	0.31 (0.1, 0.56)	28
VEGF.D	0.62 (0.44, 0.79)	63	0.09 (0, 0.33)	76
CCL19	0.62 (0.45, 0.8)	64	0.11 (0.01, 0.56)	69
CDKN1A	0.62 (0.45, 0.79)	65	0.15 (0.02, 0.45)	57
TR.AP	0.62 (0.44, 0.8)	66	0.09 (0, 0.38)	74
PECAM.1	0.61 (0.44, 0.78)	67	0.12 (0.02, 0.31)	66
CXCL5	0.61 (0.43, 0.75)	68	0.02 (0, 0.14)	88
MIA	0.61 (0.46, 0.8)	69	0.25 (0.08, 0.48)	40
IL.12	0.61 (0.44, 0.77)	70	0.28 (0.11, 0.51)	36
TGF.alpha	0.6 (0.44, 0.78)	71	0.09 (0.01, 0.41)	75
IL.17RB	0.6 (0.44, 0.77)	72	0.16 (0.04, 0.42)	55
TNF	0.6 (0.41, 0.69)	73	0 (0, 0.09)	92
GH	0.6 (0.42, 0.79)	74	0.03 (0, 0.34)	87
REG.4	0.59 (0.42, 0.79)	75	0.07 (0, 0.31)	81
VE.statin	0.59 (0.42, 0.73)	76	0.02 (0, 0.19)	89
AR	0.59 (0.41, 0.73)	77	0.2 (0, 0.47)	49
CAIX	0.59 (0.42, 0.76)	78	0.1 (0, 0.52)	72
IL.2	0.59 (0.34, 0.68)	79	0 (0, 0.11)	91
NEMO	0.58 (0.41, 0.73)	80	0.06 (0.01, 0.2)	82
MYD88	0.57 (0.4, 0.75)	81	0.06 (0, 0.35)	83
SELE	0.57 (0.39, 0.77)	82	0.09 (0.01, 0.33)	73
IFN.gamma	0.57 (0.42, 0.75)	83	0.04 (0, 0.35)	86
eIF.4B	0.56 (0.38, 0.72)	84	0.11 (0.02, 0.29)	68
EPO	0.55 (0.36, 0.72)	85	0.01 (0, 0.07)	90
LAP.TGF.beta.1	0.55 (0.39, 0.74)	86	0.08 (0.01, 0.3)	80
TF	0.55 (0.37, 0.72)	87	0.21 (0.04, 0.44)	46
CEA	0.55 (0.38, 0.74)	88	0.12 (0.03, 0.27)	64
TIE2	0.55 (0.37, 0.7)	89	0.18 (0.06, 0.34)	51
THPO	0.54 (0.39, 0.73)	90	0.08 (0.01, 0.28)	78
ErbB2.HER2	0.52 (0.34, 0.69)	91	0.22 (0.03, 0.5)	44
PRL	0.51 (0.34, 0.66)	92	0.12 (0.02, 0.35)	65