

**Genliste Oncomine™ Pan Cancer cfNA**
**Mutationen**

<b>AKT1</b> Hotspot, Exon 3 NM_001014431.2	<b>ALK</b> Hotspot, Exone 21-25 NM_004304.5	<b>AR</b> Hotspot, Exone 6, 8 NM_000044.6	<b>ARAF</b> Hotspot, Exon 7 NM_001654.5	<b>BRAF</b> Hotspot, Exone 11,15 NM_004333.6	<b>CHEK2</b> Hotspot, Exon 11 NM_007194.4
<b>CTNNB1</b> Hotspot, Exon 3 NM_001904.4	<b>DDR2</b> Hotspot, Exone 8, 15, 17 NM_006182.4	<b>EGFR</b> Hotspot, Exone 3, 7, 12 18-22	<b>ERBB2</b> Hotspot, Exone 8, 17, 19-22 NM_004448.4	<b>ERBB3</b> Hotspot, Exone 3, 7-9, 23 NM_001982.4	<b>ESR1</b> Hotspot, Exone 6, 8, 9 NM_001122740.2
<b>FGFR1</b> Hotspot, Exone 5, 14, 15 NM_001174067.1	<b>FGFR2</b> Hotspot, Exone 7, 9, 12, 14, 15 NM_000141.5	<b>FGFR3</b> Hotspot, Exone 7, 9, 13, 14, 16 NM_000142.5	<b>FGFR4</b> Hotspot, Exon 13 NM_213647.3	<b>FLT3</b> Hotspot, Exon 20 NM_004119.3	<b>GNA11</b> Hotspot, Exon 5 NM_002067.5
<b>GNAQ</b> Hotspot, Exon 5 NM_002072.5	<b>GNAS</b> Hotspot, Exone 8, 9 NM_000516.7	<b>HRAS</b> Hotspot, 2-3 NM_001130442.2	<b>IDH1</b> Hotspot, Exon 4 NM_005896.4	<b>IDH2</b> Hotspot, Exon 4 NM_002168.4	<b>KIT</b> Hotspot, Exone 8-11, 13, 14, 17, 18 NM_000222.3
<b>KRAS</b> Hotspot, Exone 2-4 NM_033360.4	<b>MAP2K1</b> Hotspot, Exone 2, 3, 6 NM_002755.4	<b>MAP2K2</b> Hotspot, Exone 2, 6 NM_030662.4	<b>MET</b> Hotspot, Exone 14, 16, 19 NM_001127500.3	<b>MTOR</b> Hotspot, Exone 30, 39, 40, 43-45, 47, 48, 50 NM_004958.4	<b>NRAS</b> Hotspot, Exone 2-4 NM_002524.5
<b>NTRK1</b> Hotspot, Exone 14, 15 NM_002529.3	<b>NTRK3</b> Hotspot, Exon 16 NM_001012338.2	<b>PDGFRA</b> Hotspot, Exone 7, 10, 11, 12, 14, 16, 18 NM_006206.6	<b>PIK3CA</b> Hotspot, Exone 2, 3, 5 8, 10, 14, 21 NM_006218.4	<b>RAF1</b> Hotspot, Exon 7 NM_002880.4	<b>RET</b> Hotspot, Exon 10, 11, 13-16 NM_020975.6
<b>ROS1</b> Hotspot, Exone 36-39, 42 NM_002944.3	<b>SF3B1</b> Hotspot, Exon 15 NM_012433.4	<b>SMAD4</b> Hotspot, Exon 3, 9, 10, 12 NM_005359.6	<b>SMO</b> Hotspot, Exon 3, 5, 6, 8, 9, 11 NM_005631.5		

**Tumorsuppressor-Gene**

<b>APC</b>	<b>FBXW7</b>	<b>PTEN</b>	<b>ARAF</b>	<b>TP53</b>	
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**Kopienzahlvariationen (CNAs)**

<b>CCND1</b>	<b>CCND2</b>	<b>CCND3</b>	<b>CDK4</b>	<b>CDK6</b>	<b>EGFR</b>
<b>ERBB2</b>	<b>FGFR1</b>	<b>FGFR2</b>	<b>FGFR3</b>	<b>MET</b>	<b>MYC</b>

**Fusionen**

<b>ALK</b>	<b>BRAF</b>	<b>ERG</b>	<b>ETV1</b>	<b>FGFR1</b>	<b>FGFR2</b>
<b>FGFR3</b>	<b>MET</b>	<b>NTRK1</b>	<b>NTRK3</b>	<b>RET</b>	<b>ROS1</b>