

Ion Torrent Plattform (Life Technologies): Oncomine Focus Assay

| HotSpot Mutationen |                             | Copy Number Variation |                             | Fusionen/Translokationen |                             |
|--------------------|-----------------------------|-----------------------|-----------------------------|--------------------------|-----------------------------|
| Gen                | Gen von Interesse markieren | Gen                   | Gen von Interesse markieren | Gen                      | Gen von Interesse markieren |
| AKT1               |                             | ALK                   |                             | ALK                      |                             |
| ALK                |                             | AR                    |                             | RET                      |                             |
| AR                 |                             | BRAF                  |                             | ROS1                     |                             |
| BRAF               |                             | CCND1                 |                             | NTRK1                    |                             |
| CDK4               |                             | CDK4                  |                             | NTRK2                    |                             |
| CTNNB1             |                             | CDK6                  |                             | NTRK3                    |                             |
| DDR2               |                             | EGFR                  |                             | FGFR1                    |                             |
| EGFR               |                             | ERBB2                 |                             | FGFR2                    |                             |
| ERBB2              |                             | FGFR1                 |                             | FGFR3                    |                             |
| ERBB3              |                             | FGFR2                 |                             | MET                      |                             |
| ERBB4              |                             | FGFR3                 |                             | BRAF                     |                             |
| ESR1               |                             | FGFR4                 |                             | RAF1                     |                             |
| FGFR2              |                             | KIT                   |                             | ERG                      |                             |
| FGFR3              |                             | KRAS                  |                             | ETV1                     |                             |
| GNA11              |                             | MET                   |                             | ETV4                     |                             |
| GNAQ               |                             | MYC                   |                             | ETV5                     |                             |
| HRAS               |                             | MYCN                  |                             | ABL1                     |                             |
| IDH1               |                             | PDGFRA                |                             | AKT3                     |                             |
| IDH2               |                             | PIK3CA                |                             | AXL                      |                             |
| JAK1               |                             |                       |                             | EGFR                     |                             |
| JAK2               |                             |                       |                             | ERBB2                    |                             |
| JAK3               |                             |                       |                             | PDGFRA                   |                             |
| KIT                |                             |                       |                             | PPARG                    |                             |
| KRAS               |                             |                       |                             |                          |                             |
| MAP2K1             |                             |                       |                             |                          |                             |
| MAP2K2             |                             |                       |                             |                          |                             |
| MET                |                             |                       |                             |                          |                             |
| MTOR               |                             |                       |                             |                          |                             |
| NRAS               |                             |                       |                             |                          |                             |
| PDGFRA             |                             |                       |                             |                          |                             |
| PIK3CA             |                             |                       |                             |                          |                             |
| RAF1               |                             |                       |                             |                          |                             |
| RET                |                             |                       |                             |                          |                             |
| ROS1               |                             |                       |                             |                          |                             |
| SMO                |                             |                       |                             |                          |                             |