

Supplementary Table S1. Basic characteristics and clinically relevant alterations in NR patients (n=4)

| | Patient 1 | Patient 2 | Patient 3 | Patient 4 |
|----------------------|--|--|--|--|
| Age (yr), gender | 47, female | 21, female | 27, female | 49, male |
| Diagnosis | Gastric carcinoma | Gastric carcinoma | Gastric carcinoma | Gastric carcinoma |
| Immuno response | Non-responder | Non-responder | Non-responder | Non-responder |
| Type of biopsy | Tissue | Tissue | Tissue | Tissue |
| Relevant alterations | ARID1A (c.6472C>T, p.Arg2158Ter) PIK3CA (c.3140A>G, p.His1047Arg) ERBB2/HER2 (c.929C>T, p.Ser310Phe) ESR1(2)-CCDC170(8) gene fusion | TP53 (c.159G>A, p.W53*) PIK3CA (c.1636C>A, p.Q546K) SMAD4 (c.1054G>A, p.G352R) PBRM1 (c.4132+1G>A) CDK6 copy number gain | TP53 (c.692_700dupCCATCCACT, p.H233_Y234insSIH) PIK3R1 (c.328C>T, p.Q110*) SMAD4 (c.904+1_904+2insGCCTGTTTCAATGAGCTTGCAATCCAGCCTCCCATTTCCAATCA) TP53 copy number loss | ARID1A (c.1554C>G, p.Y518*) TP53 (c.734G>T, p.G245V) TP53 (c.578A>G, p.H193R) APC (c.3451G>T, p.E1151*) |