

**Supplementary Figure S1** Tumor samples in groups R, NR, DBD I and DBD II.

Supplementary Table S1 The 61 potential targets of DBD against MCC

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| Number | Gene | Number | Gene |
| 1 | MMP2 | 31 | AKR1B10 |
| 2 | NOS2 | 32 | RXRA |
| 3 | MET | 33 | PON1 |
| 4 | SHBG | 34 | CASP8 |
| 5 | BCL2 | 35 | PPARG |
| 6 | CYP1A1 | 36 | ABCB1 |
| 7 | NQO2 | 37 | LCK |
| 8 | AHR | 38 | NR1H2 |
| 9 | NFE2L2 | 39 | STAT3 |
| 10 | CYP19A1 | 40 | ADRB2 |
| 11 | CA9 | 41 | ACHE |
| 12 | PTGS2 | 42 | CASP3 |
| 13 | ESR1 | 43 | PARP1 |
| 14 | MMP1 | 44 | VDR |
| 15 | HMGCR | 45 | PTPN1 |
| 16 | PPARD | 46 | PPARA |
| 17 | NR3C2 | 47 | TTR |
| 18 | PTGER2 | 48 | CYP1A2 |
| 19 | EGFR | 49 | TOP2A |
| 20 | G6PD | 50 | CA2 |
| 21 | NCOA1 | 51 | RELA |
| 22 | PGR | 52 | OPRM1 |
| 23 | CYP17A1 | 53 | TLR9 |
| 24 | CASP9 | 54 | PTGS1 |
| 25 | NCOA2 | 55 | F3 |
| 26 | ESR2 | 56 | JUN |
| 27 | CYP1B1 | 57 | AR |
| 28 | PLAU | 58 | BAX |
| 29 | SLC6A4 | 59 | PRKCA |
| 30 | ALOX5 | 60 | APP |
|  |  | 61 | MMP9 |