**Supplementary Table 3.** The absorbance value of PIK3CB indirect ELISA of each diluted plasma. The non-OVCCA: non-*O. viverrini* infected and non-cholangiocarcinoma subjects, OV: *O. viverrini* infected subjects, CCA: cholangiocarcinoma subjects.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Sample No.** | **1:50** | **1:100** | **1:200** | **1:400** | **1:800** | **1:1600** | **1:3200** | **1:6400** | **1:12800** | **1:25600** | **1:51200** | **1:102400** |
| Non-OVCCA | 1 | 0.8630 | 1.2537 | 1.6965 | 1.7904 | 1.9174 | 2.0470 | 1.9990 | 1.8944 | 2.0374 | 1.9668 | 1.6398 | 0.9128 |
| 2 | 1.1005 | 1.8443 | 2.0350 | 2.1347 | 2.1272 | 2.1550 | 2.1708 | 1.9517 | 2.1139 | 1.9683 | 1.4384 | 0.7090 |
| 3 | 0.9167 | 1.4742 | 1.7760 | 1.9643 | 1.9347 | 1.9759 | 2.0078 | 1.8251 | 1.9639 | 1.8903 | 1.5405 | 0.7728 |
| 4 | 1.1076 | 1.6519 | 1.9462 | 2.0498 | 2.0874 | 2.1298 | 2.1004 | 1.9228 | 2.0791 | 1.9910 | 1.6390 | 0.8475 |
| 5 | 1.3217 | 2.0131 | 2.3229 | 2.4473 | 2.5052 | 2.6358 | 2.6253 | 2.4849 | 2.6118 | 2.5879 | 2.5227 | 2.5406 |
| 6 | 1.1799 | 2.0181 | 2.2791 | 2.4367 | 2.5369 | 2.5376 | 2.5359 | 2.3823 | 2.4859 | 2.4867 | 2.4382 | 2.4470 |
| 7 | 1.2820 | 2.0217 | 2.2911 | 2.3825 | 2.4673 | 2.4543 | 2.4400 | 2.2766 | 2.3965 | 2.3805 | 2.2647 | 2.3530 |
| 8 | 1.0201 | 1.8540 | 2.1215 | 2.2607 | 2.3025 | 2.3361 | 2.3252 | 2.1845 | 2.2833 | 2.2562 | 2.1903 | 2.2033 |
| Average | 1.0989 | 1.7664 | 2.0585 | 2.1833 | 2.2348 | 2.2839 | 2.2755 | 2.1153 | 2.2465 | 2.1910 | 1.9592 | 1.5982 |
| OV | 1 | 1.3950 | 2.0011 | 2.4106 | 2.4718 | 2.5646 | 2.6585 | 2.6072 | 2.4126 | 2.5109 | 2.4063 | 2.1149 | 1.5013 |
| 2 | 0.5536 | 1.4599 | 1.9528 | 2.2214 | 2.4699 | 2.5425 | 2.5330 | 2.2664 | 2.2691 | 2.0159 | 1.2857 | 0.6614 |
| 3 | 1.1389 | 1.8175 | 2.1837 | 2.3170 | 2.4327 | 2.4726 | 2.4151 | 2.2494 | 2.2814 | 1.8246 | 1.4941 | 0.7585 |
| 4 | 1.4161 | 2.1303 | 2.4976 | 2.6360 | 2.7222 | 2.7436 | 2.7849 | 2.4501 | 2.5600 | 2.3907 | 1.7060 | 0.7456 |
| 5 | 0.8017 | 1.6605 | 2.0428 | 2.3618 | 2.5198 | 2.5800 | 2.6133 | 2.3449 | 2.3879 | 2.1690 | 1.4075 | 0.6204 |
| 6 | 1.4606 | 2.2305 | 2.6446 | 2.8194 | 2.9009 | 3.0503 | 3.0478 | 2.7099 | 2.7847 | 2.6635 | 1.8907 | 1.0491 |
| 7 | 0.7722 | 1.5850 | 2.0478 | 2.3912 | 2.5632 | 2.6781 | 2.6725 | 2.4592 | 2.4097 | 2.3096 | 1.8724 | 0.9379 |
| 8 | 1.2070 | 1.8656 | 2.2358 | 2.4196 | 2.5223 | 2.5799 | 2.6283 | 2.4770 | 2.4278 | 2.3539 | 2.0651 | 1.3731 |
| Average | 1.0931 | 1.8438 | 2.2520 | 2.4548 | 2.5869 | 2.6632 | 2.6628 | 2.4212 | 2.4539 | 2.2667 | 1.7295 | 0.9559 |
| CCA | 1 | 1.8001 | 2.2907 | 2.5606 | 2.5884 | 2.6345 | 2.6806 | 2.6656 | 2.4286 | 2.5964 | 2.5819 | 2.3000 | 1.6852 |
| 2 | 1.5082 | 1.9560 | 2.3085 | 2.4571 | 2.5245 | 2.5400 | 2.5696 | 2.4270 | 2.5434 | 2.4920 | 2.1543 | 1.3587 |
| 3 | 1.8040 | 2.3523 | 2.5741 | 2.6188 | 2.6374 | 2.6376 | 2.6860 | 2.6181 | 2.6954 | 2.5768 | 2.1305 | 1.1795 |
| 4 | 1.7738 | 2.4398 | 2.6700 | 2.7441 | 2.7884 | 2.7608 | 2.7650 | 2.7423 | 2.8532 | 2.7363 | 2.3904 | 1.5488 |
| 5 | 1.7526 | 2.2627 | 2.6196 | 2.6875 | 2.7268 | 2.8755 | 2.7778 | 2.6614 | 2.6886 | 2.4330 | 2.1966 | 2.0977 |
| 6 | 1.5847 | 2.0590 | 2.5149 | 2.6965 | 2.7317 | 2.8872 | 2.8307 | 2.6766 | 2.8496 | 2.6827 | 2.4693 | 2.0027 |
| 7 | 1.7470 | 2.1760 | 2.5354 | 2.7046 | 2.7752 | 2.8800 | 2.8525 | 2.7320 | 2.7808 | 2.6296 | 2.2022 | 1.7567 |
| 8 | 2.1239 | 2.6391 | 2.8193 | 2.9272 | 3.0015 | 3.0600 | 3.1407 | 2.9043 | 2.8408 | 2.7190 | 2.3441 | 2.0851 |
| Average | 1.7618 | 2.2720 | 2.5753 | 2.6780 | 2.7275 | 2.7902 | 2.7860 | 2.6488 | 2.7310 | 2.6064 | 2.2734 | 1.7143 |