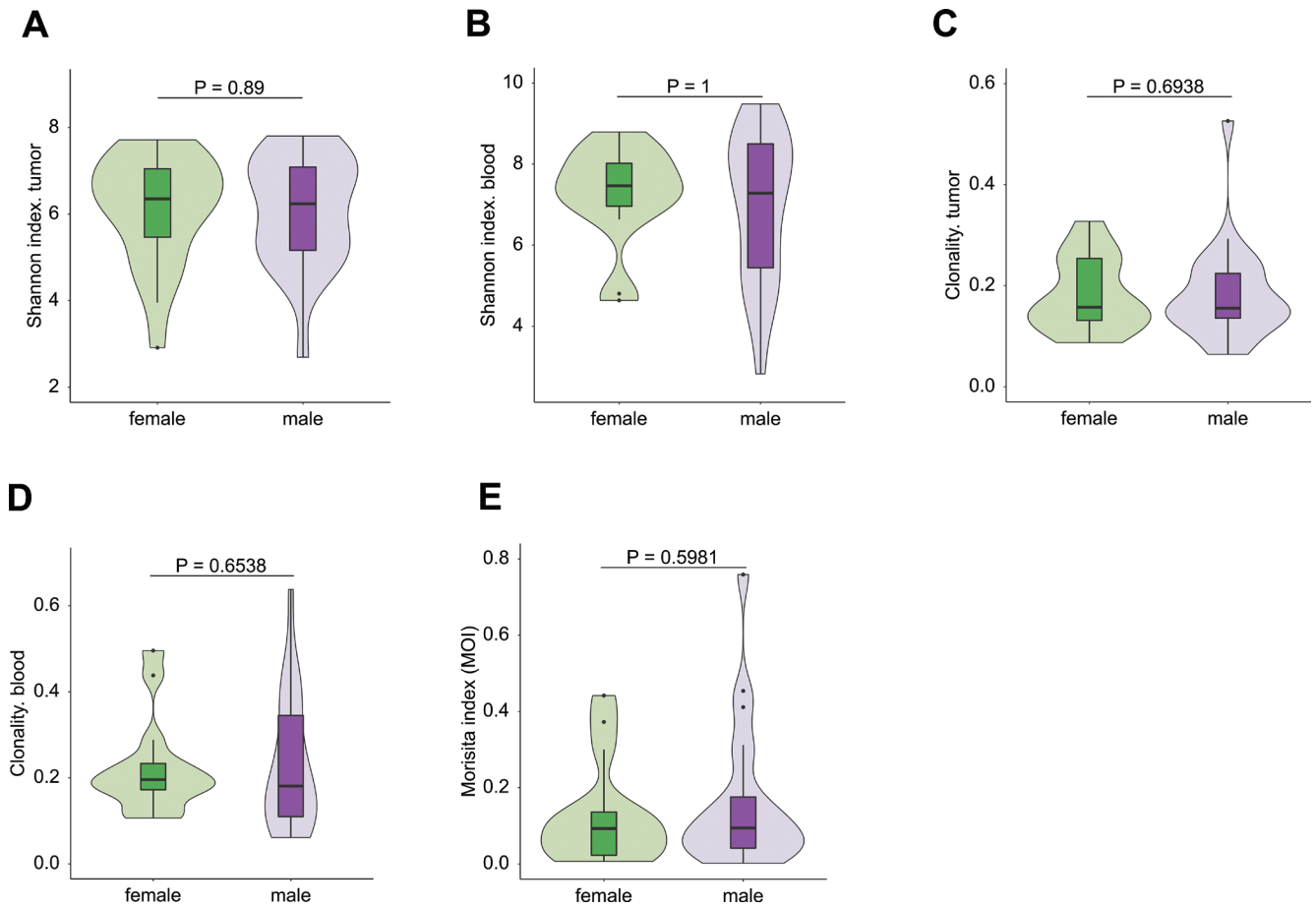
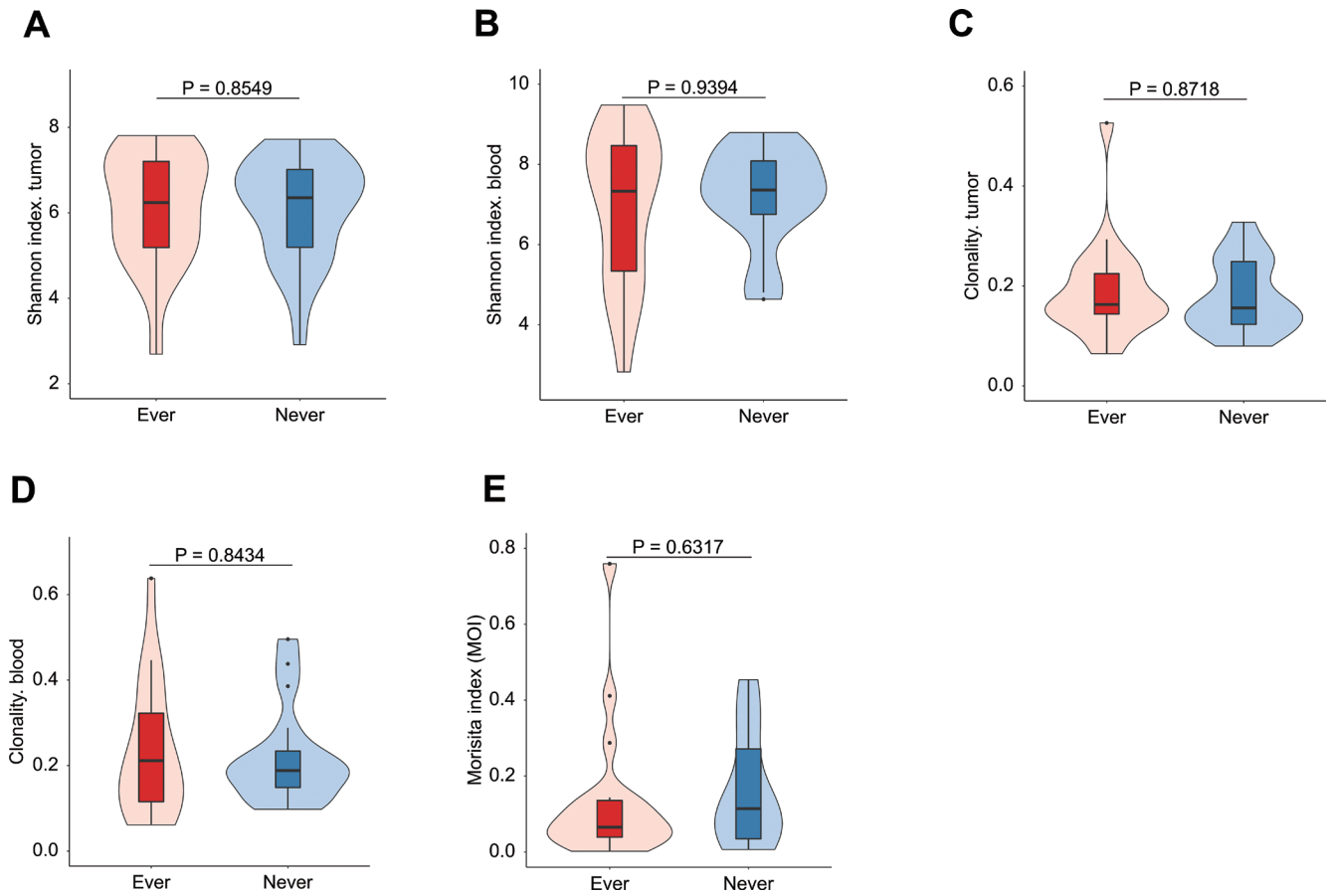


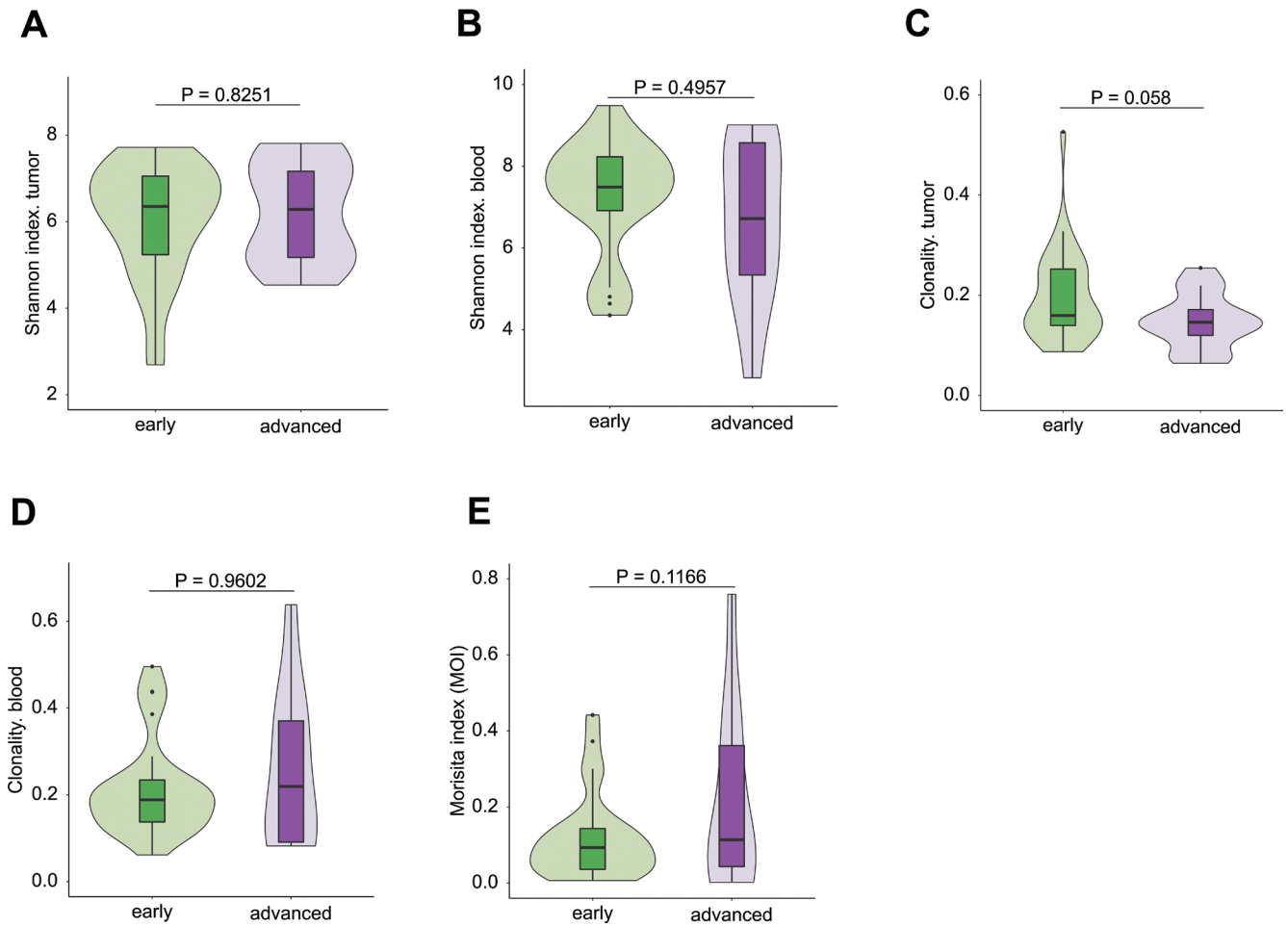
**Figure S1** TCR metrics in patients aged under 60 years versus aged 60 years and older. (A) Comparison of Shannon index in tumor; (B) comparison of Shannon index in paired PBC; (C) comparison of Clonality in tumor; (D) comparison of Clonality in paired PBC; (E) comparison of Morisita index. TCR, T cell receptor; PBC, peripheral blood cell.



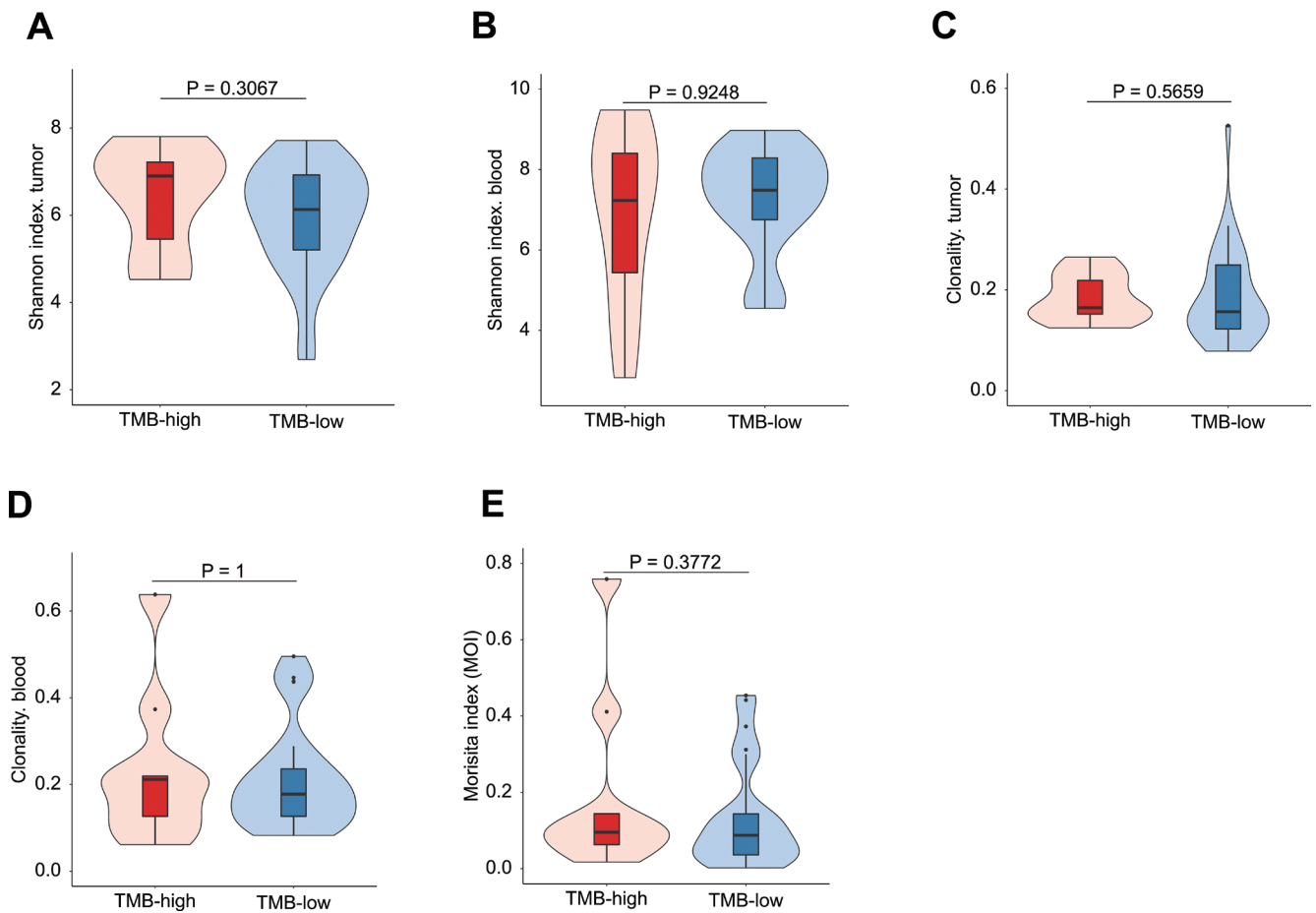
**Figure S2** TCR repertoire metrics in male versus female patients. (A) Comparison of Shannon index in tumor; (B) comparison of Shannon index in paired PBC; (C) comparison of Clonality in tumor; (D) comparison of Clonality in paired PBC; (E) comparison of Morisita index. TCR, T cell receptor; PBC, peripheral blood cell.



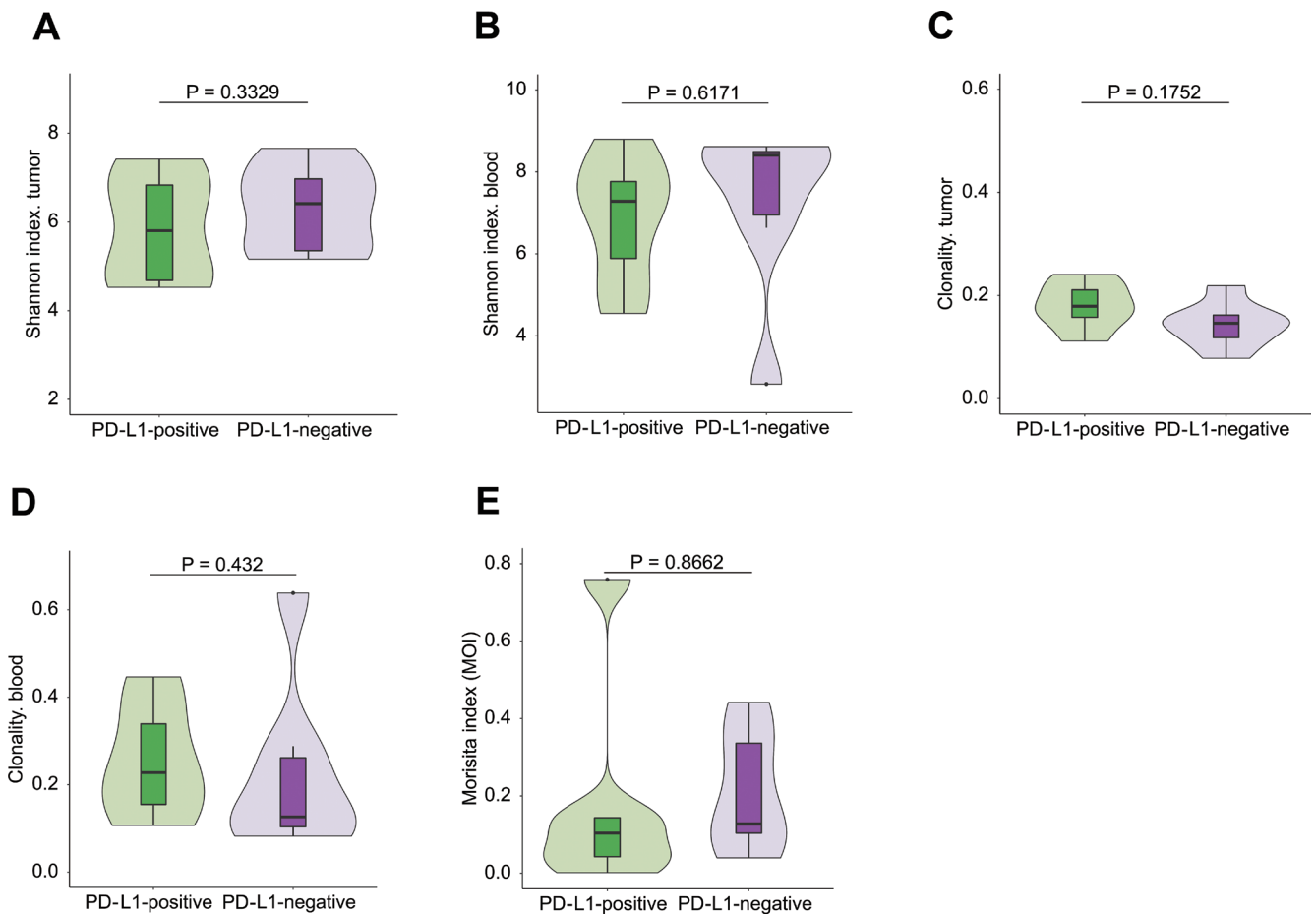
**Figure S3** TCR repertoire metrics in ever-smoking versus never-smoking patients. (A) Comparison of Shannon index in tumor; (B) comparison of Shannon index in paired PBC; (C) comparison of Clonality in tumor; (D) comparison of Clonality in paired PBC; (E) comparison of Morisita index. TCR, T cell receptor; PBC, peripheral blood cell.



**Figure S4** TCR repertoire metrics in early-stage versus advanced-stage NSCLC patients. (A) Comparison of Shannon index in tumor; (B) comparison of Shannon index in paired PBC; (C) comparison of Clonality in tumor; (D) comparison of Clonality in paired PBC; (E) comparison of Morisita index. TCR, T cell receptor; NSCLC, non-small cell lung cancer; PBC, peripheral blood cell.



**Figure S5** TCR repertoire metrics in TMB-high versus TMB-low patients. (A) Comparison of Shannon index in tumor; (B) comparison of Shannon index in paired PBC; (C) comparison of Clonality in tumor; (D) comparison of Clonality in paired PBC; (E) comparison of Morisita index. TMB, tumor mutation burden; TCR, T cell receptor; PBC, peripheral blood cell.



**Figure S6** TCR repertoire metrics in PD-L1 positive versus PD-L1 negative patients. (A) Comparison of Shannon index in tumor; (B) comparison of Shannon index in paired PBC; (C) comparison of Clonality in tumor; (D) comparison of Clonality in paired PBC; (E) comparison of Morisita index. PD-L1, programmed cell death-ligand 1; TCR, T cell receptor; PBC, peripheral blood cell.