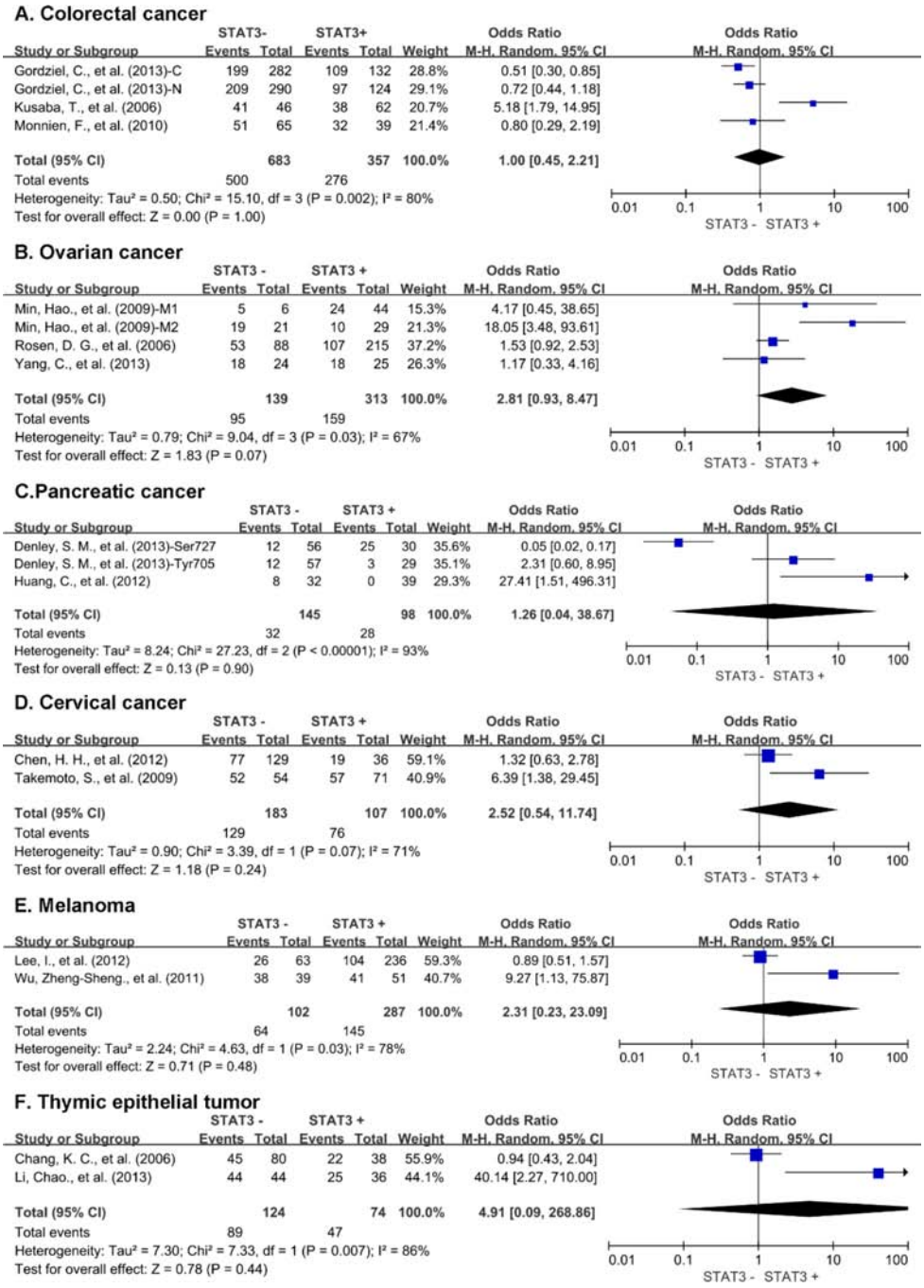
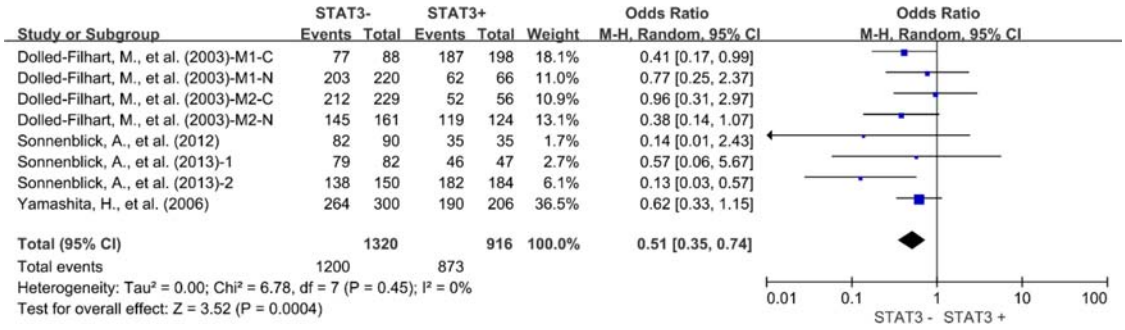
Prognostic role of STAT3 in solid tumors: a systematic review and meta-analysis

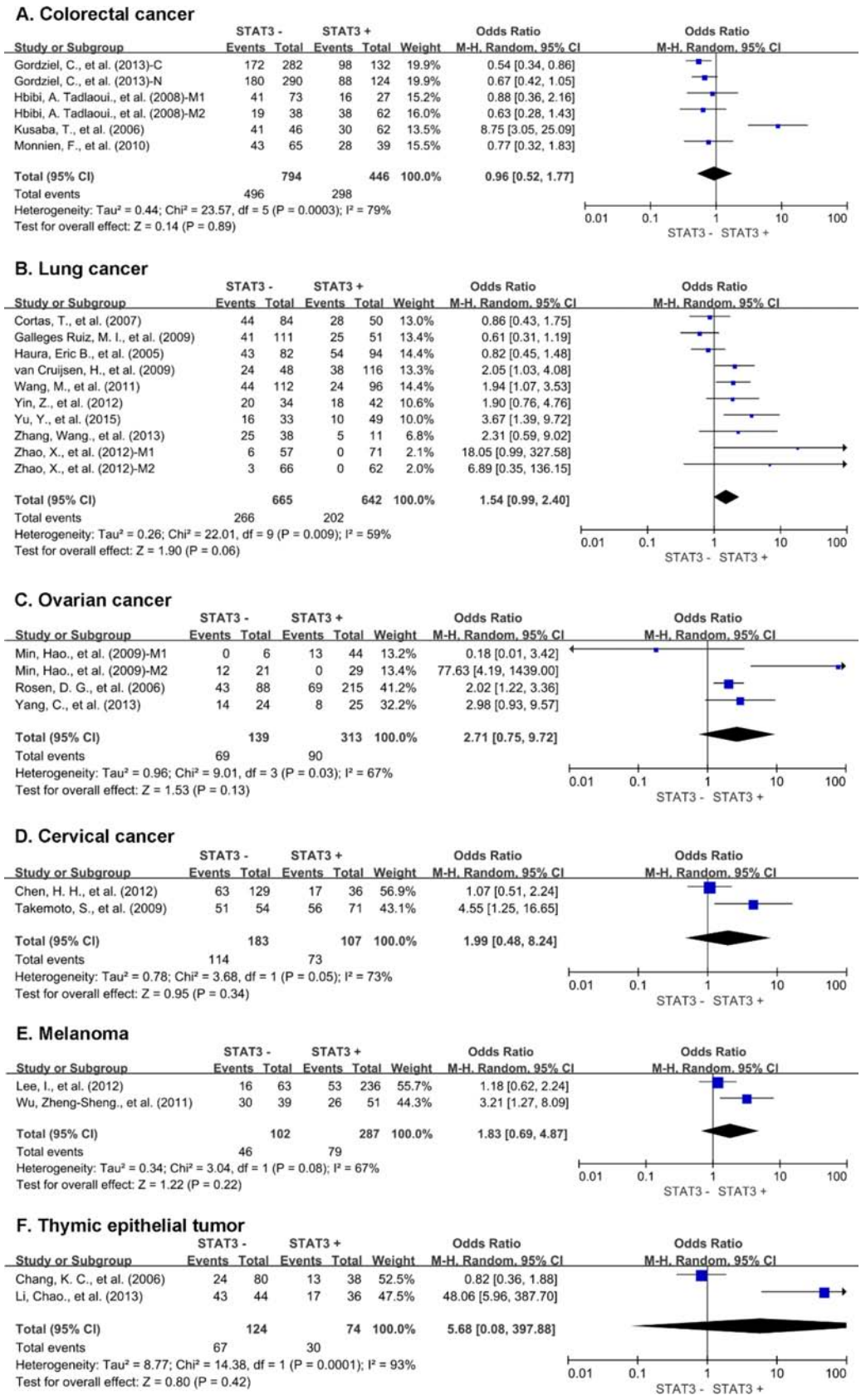
Supplementary Materials



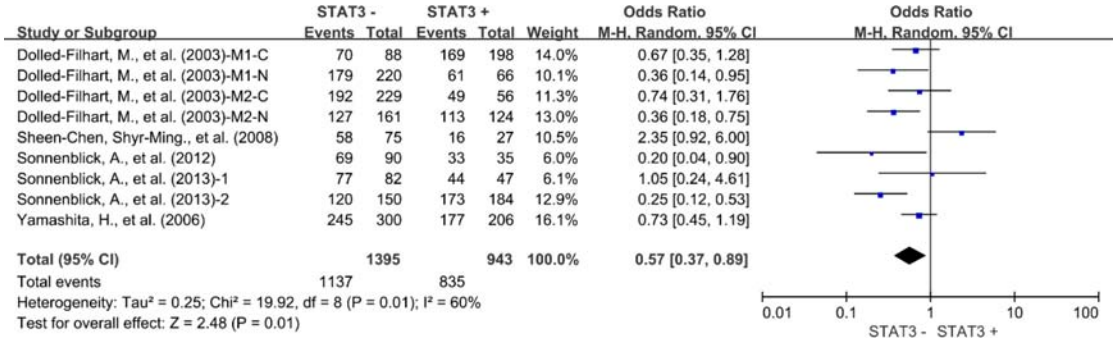
Supplementary Figure S1: Subgroup analysis of 3-year OS by STAT3 expression in different tumor types. (**A**) colorectal cancer; (**B**) ovarian cancer; (**C**) pancreatic cancer; (**D**) cervical cancer; (**E**) melanoma; (**F**) thymic epithelial tumor. M1: Marker 1, STAT3; M2: Marker 2, p-STAT3; N: nuclear expression; C: cytoplasmic expression.



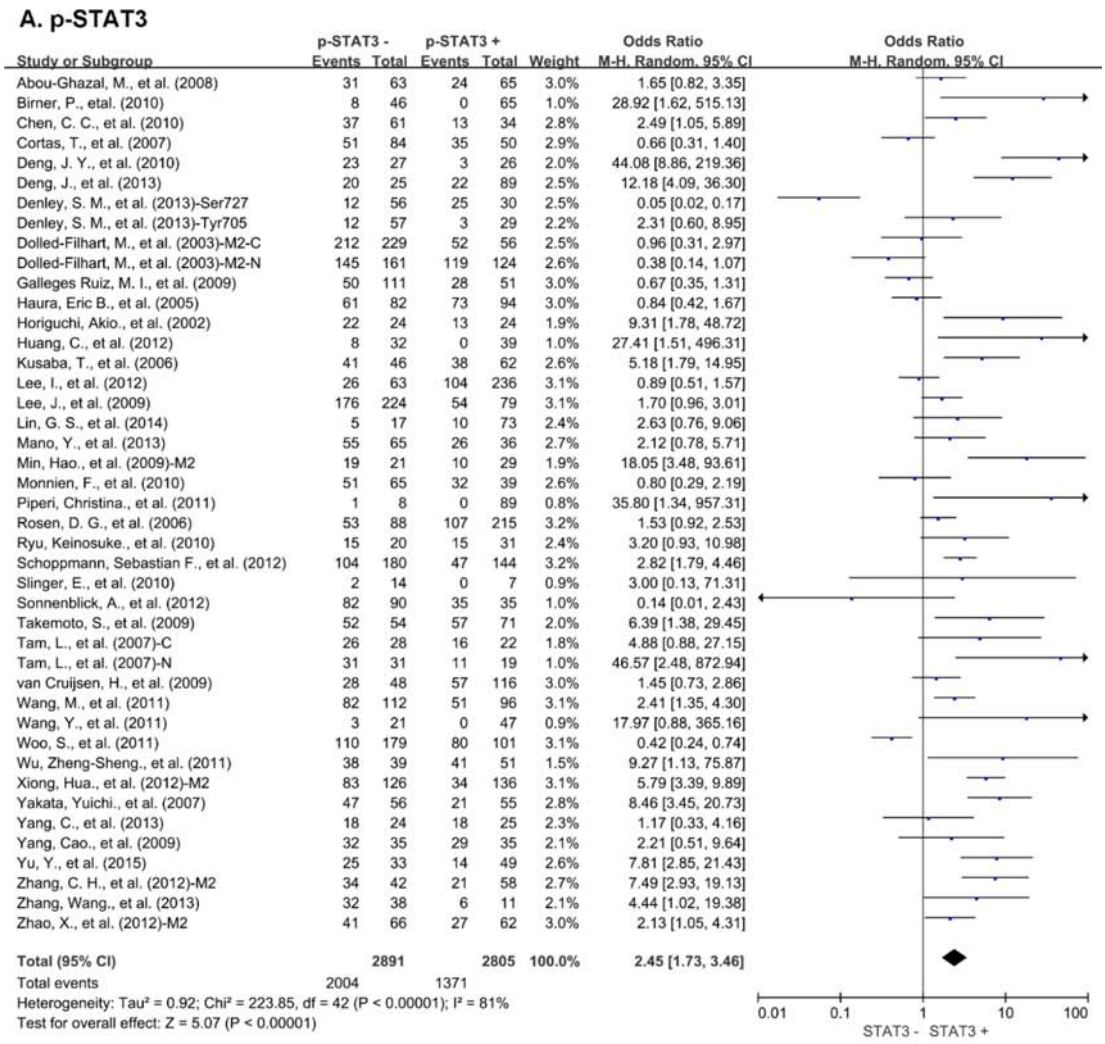
Supplementary Figure S2: Subgroup analysis of 3-year OS by STAT3 expression in breast cancer. M1: Marker 1, STAT3; M2: Marker 2, p-STAT3; N: nuclear expression; C: cytoplasmic expression.

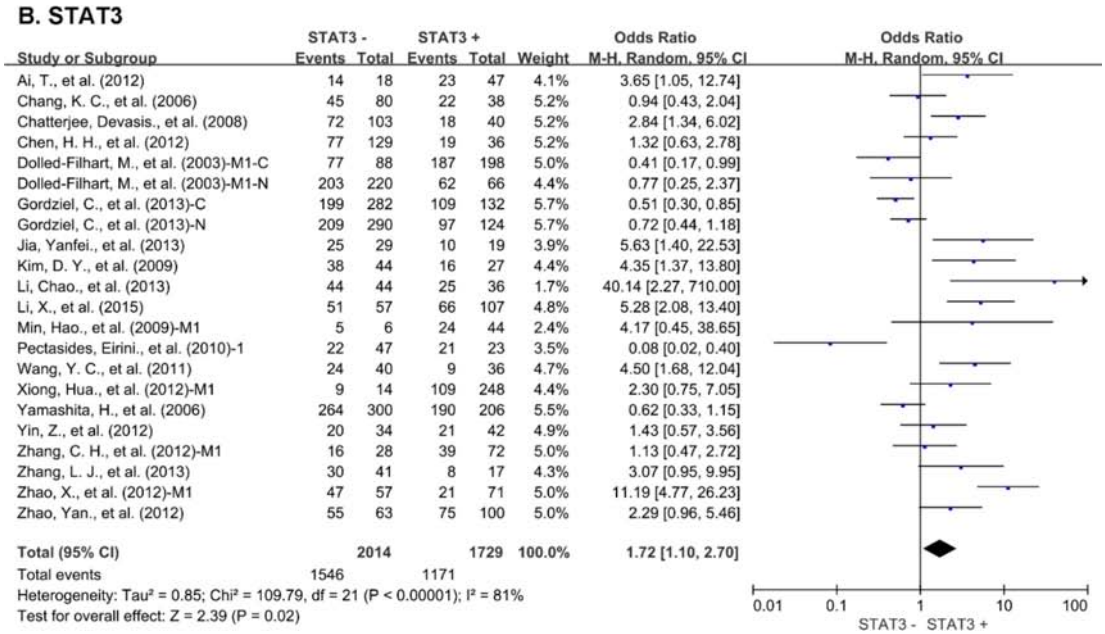


Supplementary Figure S3: Subgroup analysis of 5-year OS by STAT3 expression in different tumor types. (**A**) colorectal cancer; (**B**) lung cancer; (**C**) ovarian cancer; (**D**) cervical cancer; (**E**) melanoma; (**F**) thymic epithelial tumor. M1: Marker 1, STAT3; M2: Marker 2, p-STAT3; N: nuclear expression; C: cytoplasmic expression.

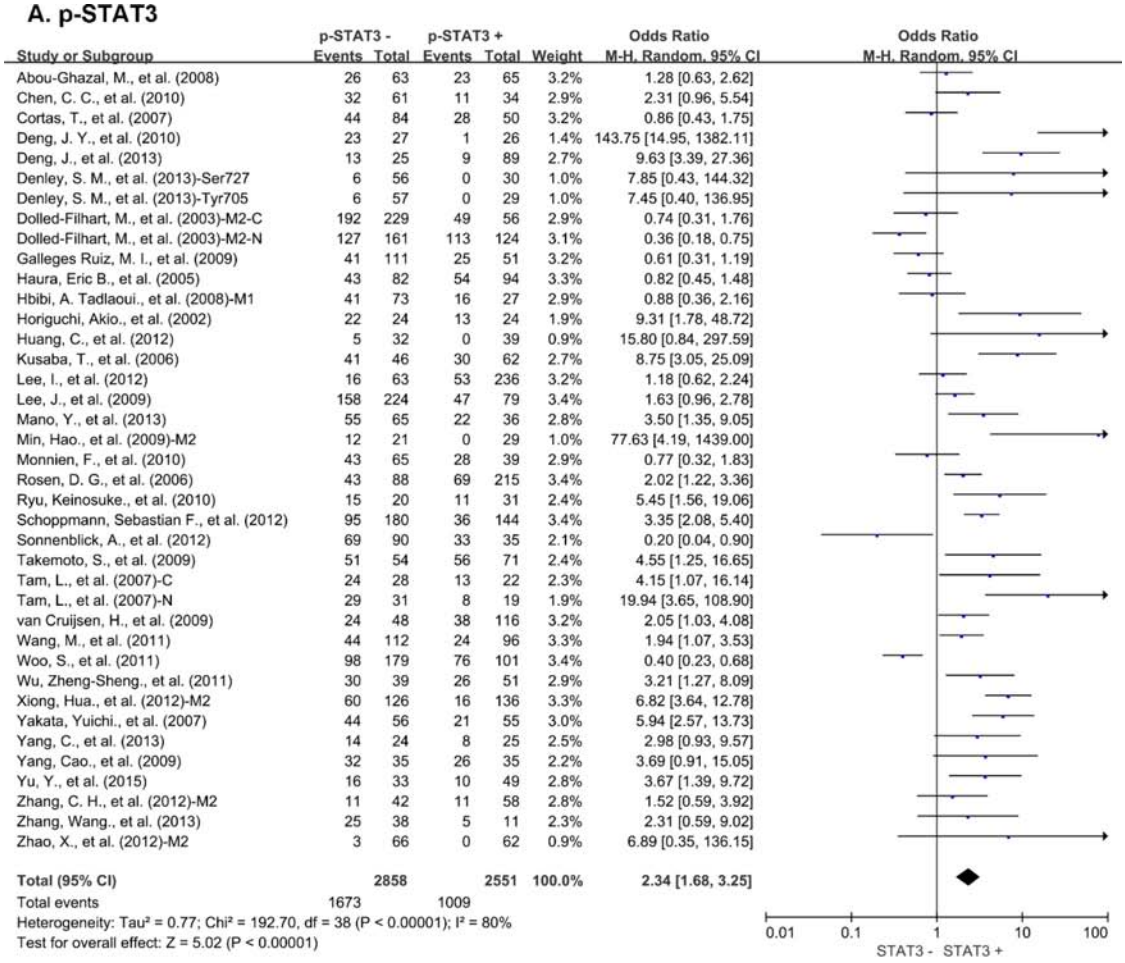


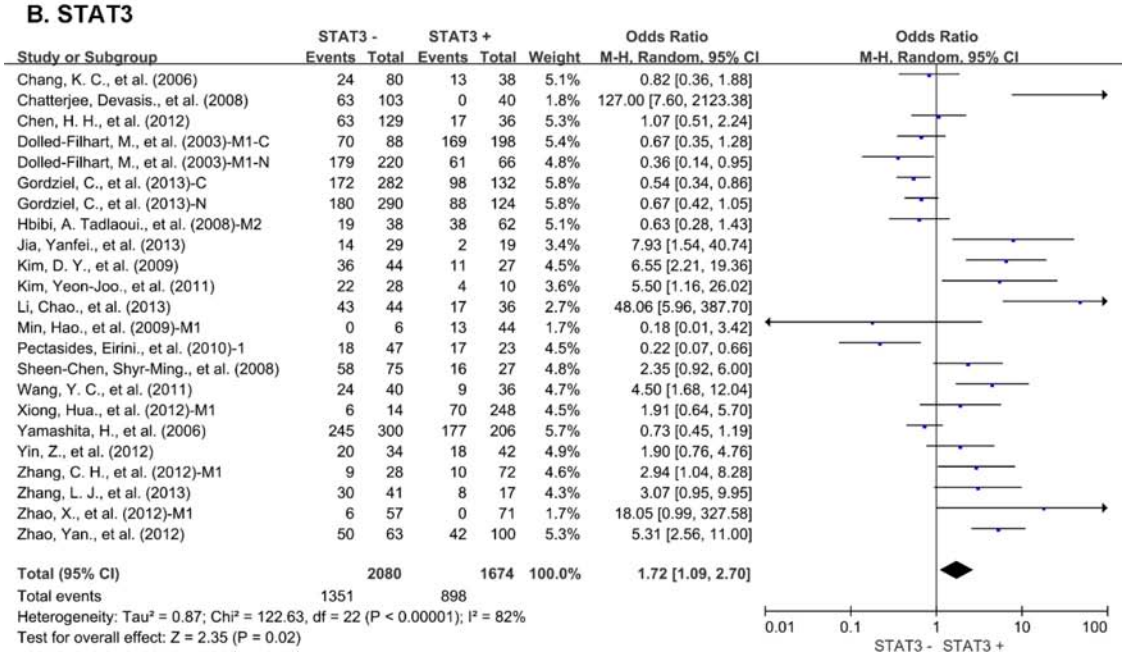
Supplementary Figure S4: Subgroup analysis of 5-year OS by STAT3 expression in breast cancer. M1: Marker 1, STAT3; M2: Marker 2, p-STAT3; N: nuclear expression; C: cytoplasmic expression.



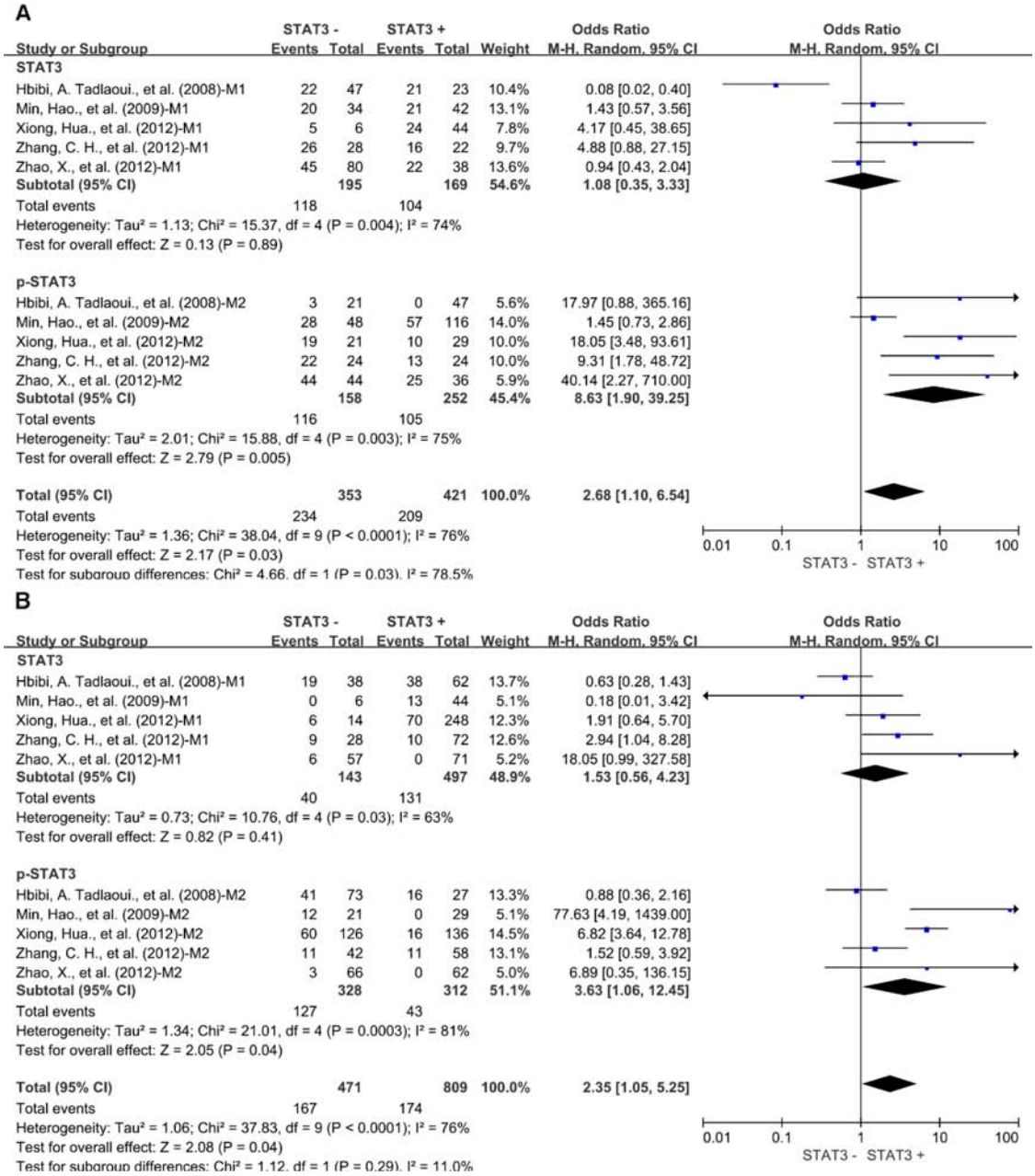


Supplementary Figure S5: Subgroup analysis of 3-year OS according to STAT3 and p-STAT3 expression in solid tumors. (**A**) p-STAT3; (**B**) STAT3; M1: Marker 1, STAT3; M2: Marker 2, p-STAT3; 1: Cohort 1; 2: Cohort 2; N: nuclear expression; C: cytoplasmic expression.

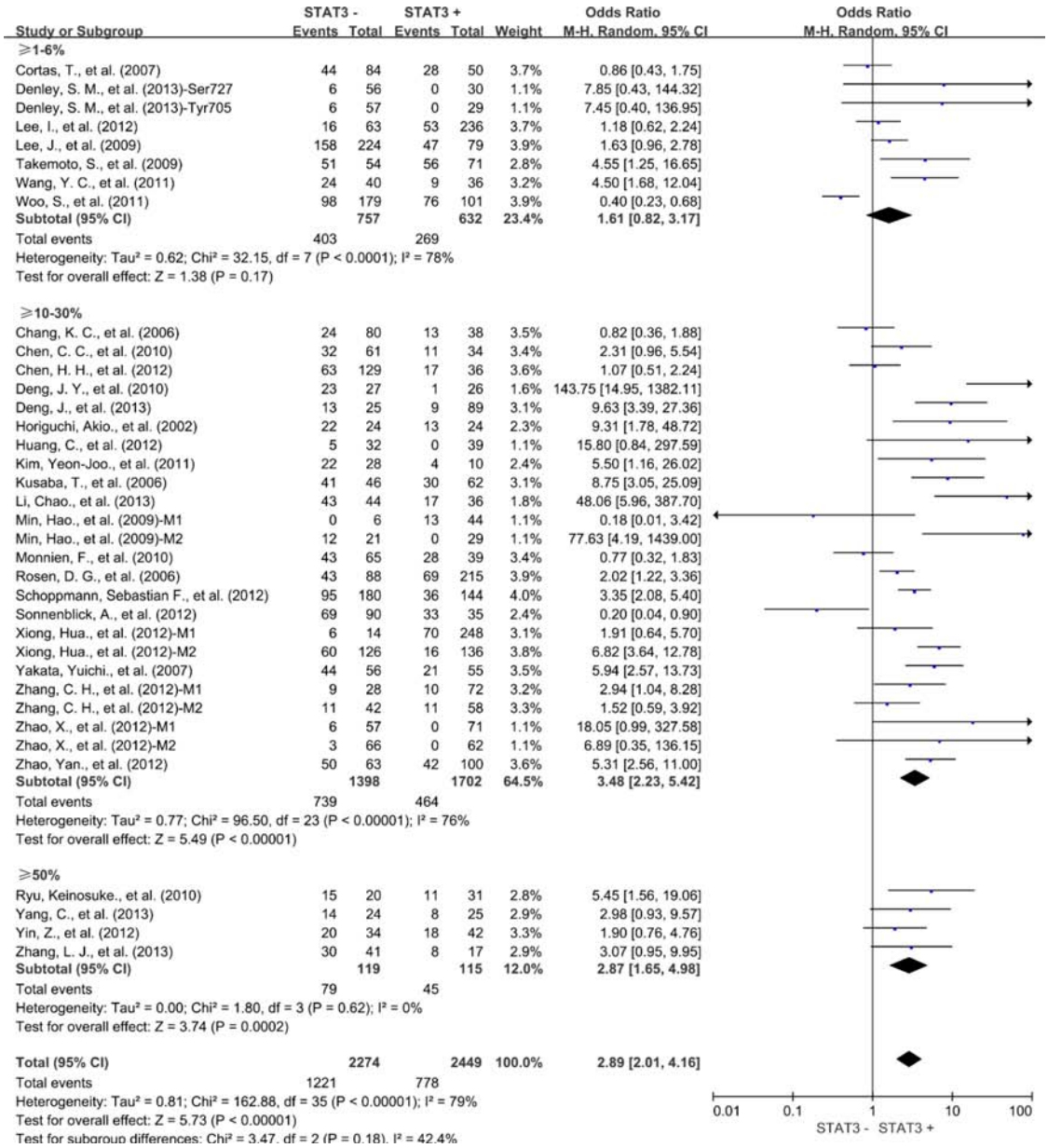




Supplementary Figure S6: Subgroup analysis of 5-year OS according to STAT3 and p-STAT3 expression in solid tumors. (**A**) p-STAT3; (**B**) STAT3; M1: Marker 1, STAT3; M2: Marker 2, p-STAT3; 1: Cohort 1; 2: Cohort 2; N: nuclear expression; C: cytoplasmic expression.



Supplementary Figure S7: Subgroup analysis of OS according to STAT3 and p-STAT3 expression in studies evaluated both STAT3 and p-STAT3. (**A**) 3-year OS; (**B**) 5-year OS; M1: Marker 1, STAT3; M2: Marker 2, p-STAT3; N: nuclear expression; C: cytoplasmic expression.



Supplementary Figure S8: Subgroup analysis the correlation between STAT3 overexpression and 5-year OS according to cut-off values determining STAT3 positivity. M1: Marker 1, STAT3; M2: Marker 2, p-STAT3.