cancers

MDPI

*Supplementary Materials*

# Cytoskeletal Organization Correlates to Motility and Invasiveness of Malignant Mesothelioma Cells

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**Table S1.** A complete list of the significances of the data presented in Figure 1B–D calculated by one-way ANOVA with Tukey's post hoc analyses.

| A | | | |
|---|---|---|---|
| **Cell Area** | | | |
| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
| MeT-5a vs. Mero-25 | 0.0004 | *** | Yes |
| MeT-5a vs. M-14-K | <0.0001 | **** | Yes |
| MeT-5a vs. JL-1 | 0.0537 | ns | No |
| MeT-5a vs. STAV-AB | <0.0001 | **** | Yes |
| MeT-5a vs. STAV-FCS | 0.025 | * | Yes |
| MeT-5a vs. ZL34 | <0.0001 | **** | Yes |
| MeT-5a vs. DM-3 | <0.0001 | **** | Yes |
| Mero-25 vs. M-14-K | 0.9787 | ns | No |
| Mero-25 vs. JL-1 | 0.7245 | ns | No |
| Mero-25 vs. STAV-AB | 0.9892 | ns | No |
| Mero-25 vs. STAV-FCS | 0.9113 | ns | No |
| Mero-25 vs. ZL34 | >0.9999 | ns | No |
| Mero-25 vs. DM-3 | <0.0001 | **** | Yes |
| M-14-K vs. JL-1 | 0.1183 | ns | No |
| M-14-K vs. STAV-AB | >0.9999 | ns | No |
| M-14-K vs. STAV-FCS | 0.2939 | ns | No |
| M-14-K vs. ZL34 | 0.9986 | ns | No |
| M-14-K vs. DM-3 | <0.0001 | **** | Yes |
| JL-1 vs. STAV-AB | 0.1349 | ns | No |
| JL-1 vs. STAV-FCS | >0.9999 | ns | No |
| JL-1 vs. ZL34 | 0.3481 | ns | No |
| JL-1 vs. DM-3 | <0.0001 | **** | Yes |
| STAV-AB vs. STAV-FCS | 0.3325 | ns | No |
| STAV-AB vs. ZL34 | 0.9997 | ns | No |
| STAV-AB vs. DM-3 | <0.0001 | **** | Yes |
| STAV-FCS vs. ZL34 | 0.6317 | ns | No |
| STAV-FCS vs. DM-3 | <0.0001 | **** | Yes |
| ZL34 vs. DM-3 | <0.0001 | **** | Yes |
| **B** | | | |
| **Cell Shape** | | | |
| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
| MeT-5a vs. Mero-25 | 0.978 | ns | No |
| MeT-5a vs. M-14-K | 0.0313 | * | Yes |
| MeT-5a vs. JL-1 | <0.0001 | **** | Yes |
| MeT-5a vs. STAV-AB | <0.0001 | **** | Yes |
| MeT-5a vs. STAV-FCS | <0.0001 | **** | Yes |
| MeT-5a vs. ZL34 | 0.0001 | *** | Yes |
| MeT-5a vs. DM-3 | <0.0001 | **** | Yes |
| Mero-25 vs. M-14-K | 0.0023 | ** | Yes |
| Mero-25 vs. JL-1 | <0.0001 | **** | Yes |

| | | | |
|---|---|---|---|
| Mero-25 vs. STAV-AB | <0.0001 | **** | Yes |
| Mero-25 vs. STAV-FCS | <0.0001 | **** | Yes |
| Mero-25 vs. ZL34 | <0.0001 | **** | Yes |
| Mero-25 vs. DM-3 | <0.0001 | **** | Yes |
| M-14-K vs. JL-1 | 0.0002 | *** | Yes |
| M-14-K vs. STAV-AB | 0.3845 | ns | No |
| M-14-K vs. STAV-FCS | 0.2936 | ns | No |
| M-14-K vs. ZL34 | 0.8794 | ns | No |
| M-14-K vs. DM-3 | <0.0001 | **** | Yes |
| JL-1 vs. STAV-AB | 0.1724 | ns | No |
| JL-1 vs. STAV-FCS | 0.3172 | ns | No |
| JL-1 vs. ZL34 | 0.0156 | * | Yes |
| JL-1 vs. DM-3 | <0.0001 | **** | Yes |
| STAV-AB vs. STAV-FCS | >0.9999 | ns | No |
| STAV-AB vs. ZL34 | 0.9896 | ns | No |
| STAV-AB vs. DM-3 | <0.0001 | **** | Yes |
| STAV-FCS vs. ZL34 | 0.9652 | ns | No |
| STAV-FCS vs. DM-3 | <0.0001 | **** | Yes |
| ZL34 vs. DM-3 | <0.0001 | **** | Yes |

**C**

**Cell Aspect Ratio**

| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
|---|---|---|---|
| MeT-5a vs. Mero-25 | >0.9999 | ns | No |
| MeT-5a vs. M-14-K | 0.3107 | ns | No |
| MeT-5a vs. JL-1 | 0.1358 | ns | No |
| MeT-5a vs. STAV-AB | 0.7485 | ns | No |
| MeT-5a vs. STAV-FCS | 0.0119 | * | Yes |
| MeT-5a vs. ZL34 | 0.9928 | ns | No |
| MeT-5a vs. DM-3 | 0.0001 | *** | Yes |
| Mero-25 vs. M-14-K | 0.4653 | ns | No |
| Mero-25 vs. JL-1 | 0.2503 | ns | No |
| Mero-25 vs. STAV-AB | 0.8651 | ns | No |
| Mero-25 vs. STAV-FCS | 0.0326 | * | Yes |
| Mero-25 vs. ZL34 | 0.9985 | ns | No |
| Mero-25 vs. DM-3 | 0.0006 | *** | Yes |
| M-14-K vs. JL-1 | >0.9999 | ns | No |
| M-14-K vs. STAV-AB | 0.9959 | ns | No |
| M-14-K vs. STAV-FCS | 0.9227 | ns | No |
| M-14-K vs. ZL34 | 0.7877 | ns | No |
| M-14-K vs. DM-3 | 0.2834 | ns | No |
| JL-1 vs. STAV-AB | 0.9589 | ns | No |
| JL-1 vs. STAV-FCS | 0.9812 | ns | No |
| JL-1 vs. ZL34 | 0.5398 | ns | No |
| JL-1 vs. DM-3 | 0.4372 | ns | No |
| STAV-AB vs. STAV-FCS | 0.4865 | ns | No |
| STAV-AB vs. ZL34 | 0.9917 | ns | No |
| STAV-AB vs. DM-3 | 0.0371 | * | Yes |
| STAV-FCS vs. ZL34 | 0.0985 | ns | No |
| STAV-FCS vs. DM-3 | 0.9653 | ns | No |
| ZL34 vs. DM-3 | 0.002 | ** | Yes |

**Table S2.** A complete list of the significances of the data presented in Figure 2B, calculated by one-way ANOVA with Tukey's post hoc analysis.

| **Focal Adhesion Size** | | | |
|---|---|---|---|
| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
| Met-5a vs. Mero-25 | 0.919 | ns | No |
| Met-5a vs. M-14-K | >0.9999 | ns | No |
| Met-5a vs. JL-1 | <0.0001 | **** | Yes |
| Met-5a vs. STAV-AB | <0.0001 | **** | Yes |
| Met-5a vs. STAV-FCS | 0.9996 | ns | No |
| Met-5a vs. ZL34 | <0.0001 | **** | Yes |
| Met-5a vs. DM-3 | 0.4359 | ns | No |
| Mero-25 vs. M-14-K | 0.9963 | ns | No |
| Mero-25 vs. JL-1 | <0.0001 | **** | Yes |
| Mero-25 vs. STAV-AB | <0.0001 | **** | Yes |
| Mero-25 vs. STAV-FCS | 0.9991 | ns | No |
| Mero-25 vs. ZL34 | <0.0001 | **** | Yes |
| Mero-25 vs. DM-3 | 0.9794 | ns | No |
| M-14-K vs. JL-1 | <0.0001 | **** | Yes |
| M-14-K vs. STAV-AB | <0.0001 | **** | Yes |
| M-14-K vs. STAV-FCS | >0.9999 | ns | No |
| M-14-K vs. ZL34 | <0.0001 | **** | Yes |
| M-14-K vs. DM-3 | 0.8173 | ns | No |
| JL-1 vs. STAV-AB | <0.0001 | **** | Yes |
| JL-1 vs. STAV-FCS | <0.0001 | **** | Yes |
| JL-1 vs. ZL34 | <0.0001 | **** | Yes |
| JL-1 vs. DM-3 | <0.0001 | **** | Yes |
| STAV-AB vs. STAV-FCS | <0.0001 | **** | Yes |
| STAV-AB vs. ZL34 | 0.8499 | ns | No |
| STAV-AB vs. DM-3 | 0.0203 | * | Yes |
| STAV-FCS vs. ZL34 | <0.0001 | **** | Yes |
| STAV-FCS vs. DM-3 | 0.8518 | ns | No |
| ZL34 vs. DM-3 | <0.0001 | **** | Yes |

**Table S3.** A complete list of the significances of the data presented in Figure 4B, calculated by one-way ANOVA with Tukey's post hoc analysis.

| **Tubulin Acetylation** | | | |
|---|---|---|---|
| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
| MeT-5a vs. Mero-25 | <0.0001 | **** | Yes |
| MeT-5a vs. M-14-K | 0.0005 | *** | Yes |
| MeT-5a vs. JL-1 | <0.0001 | **** | Yes |
| MeT-5a vs. STAV-AB | 0.6819 | ns | No |
| MeT-5a vs. STAV-FCS | 0.9695 | ns | No |
| MeT-5a vs. ZL34 | 0.0071 | ** | Yes |
| MeT-5a vs. DM-3 | <0.0001 | **** | Yes |
| Mero-25 vs. M-14-K | <0.0001 | **** | Yes |
| Mero-25 vs. JL-1 | 0.9664 | ns | No |
| Mero-25 vs. STAV-AB | 0.024 | * | Yes |
| Mero-25 vs. STAV-FCS | <0.0001 | **** | Yes |
| Mero-25 vs. ZL34 | <0.0001 | **** | Yes |
| Mero-25 vs. DM-3 | 0.2023 | ns | No |
| M-14-K vs. JL-1 | <0.0001 | **** | Yes |
| M-14-K vs. STAV-AB | <0.0001 | **** | Yes |
| M-14-K vs. STAV-FCS | 0.0149 | * | Yes |
| M-14-K vs. ZL34 | 0.9936 | ns | No |
| M-14-K vs. DM-3 | <0.0001 | **** | Yes |
| JL-1 vs. STAV-AB | 0.0008 | *** | Yes |
| JL-1 vs. STAV-FCS | <0.0001 | **** | Yes |
| JL-1 vs. ZL34 | <0.0001 | **** | Yes |
| JL-1 vs. DM-3 | 0.8137 | ns | No |
| STAV-AB vs. STAV-FCS | 0.1301 | ns | No |
| STAV-AB vs. ZL34 | <0.0001 | **** | Yes |
| STAV-AB vs. DM-3 | <0.0001 | **** | Yes |
| STAV-FCS vs. ZL34 | 0.1193 | ns | No |
| STAV-FCS vs. DM-3 | <0.0001 | **** | Yes |
| ZL34 vs. DM-3 | <0.0001 | **** | Yes |

**Table S4.** A complete list of the significances of the data presented in Figure 5B, calculated by one-way ANOVA with Tukey's post hoc analysis.

| **Vimentin Localization** | | | |
|---|---|---|---|
| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
| MeT-5a vs. Mero-25 | 0.401 | ns | No |
| MeT-5a vs. M-14-K | 0.0012 | ** | Yes |
| MeT-5a vs. JL-1 | 0.9978 | ns | No |
| MeT-5a vs. STAV-AB | >0.9999 | ns | No |
| MeT-5a vs. STAV-FCS | 0.0002 | *** | Yes |
| MeT-5a vs. ZL34 | <0.0001 | **** | Yes |
| MeT-5a vs. DM-3 | <0.0001 | **** | Yes |
| Mero-25 vs. M-14-K | 0.3752 | ns | No |
| Mero-25 vs. JL-1 | 0.8144 | ns | No |
| Mero-25 vs. STAV-AB | 0.4524 | ns | No |
| Mero-25 vs. STAV-FCS | 0.1527 | ns | No |
| Mero-25 vs. ZL34 | <0.0001 | **** | Yes |
| Mero-25 vs. DM-3 | <0.0001 | **** | Yes |
| M-14-K vs. JL-1 | 0.0106 | * | Yes |
| M-14-K vs. STAV-AB | 0.0016 | ** | Yes |
| M-14-K vs. STAV-FCS | 0.9997 | ns | No |
| M-14-K vs. ZL34 | 0.012 | * | Yes |
| M-14-K vs. DM-3 | <0.0001 | **** | Yes |
| JL-1 vs. STAV-AB | 0.9991 | ns | No |
| JL-1 vs. STAV-FCS | 0.0023 | ** | Yes |
| JL-1 vs. ZL34 | <0.0001 | **** | Yes |
| JL-1 vs. DM-3 | <0.0001 | **** | Yes |
| STAV-AB vs. STAV-FCS | 0.0003 | *** | Yes |
| STAV-AB vs. ZL34 | <0.0001 | **** | Yes |
| STAV-AB vs. DM-3 | <0.0001 | **** | Yes |
| STAV-FCS vs. ZL34 | 0.0469 | * | Yes |
| STAV-FCS vs. DM-3 | <0.0001 | **** | Yes |
| ZL34 vs. DM-3 | 0.0006 | *** | Yes |

**Table S5.** A complete list of the significances of the data presented in Figure 7B–E, calculated by one-way ANOVA with Tukey's post hoc analyses.

| **A** | | | |
|---|---|---|---|
| **YAP Nuclear Localization** | | | |
| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
| MeT-5a vs. Mero-25 | 0.9924 | ns | No |
| MeT-5a vs. M-14-K | 0.9785 | ns | No |
| MeT-5a vs. JL-1 | <0.0001 | **** | Yes |
| MeT-5a vs. STAV-AB | >0.9999 | ns | No |
| MeT-5a vs. STAV-FCS | <0.0001 | **** | Yes |
| MeT-5a vs. ZL34 | 0.0009 | *** | Yes |
| MeT-5a vs. DM-3 | <0.0001 | **** | Yes |
| Mero-25 vs. M-14-K | >0.9999 | ns | No |
| Mero-25 vs. JL-1 | <0.0001 | **** | Yes |
| Mero-25 vs. STAV-AB | 0.9994 | ns | No |
| Mero-25 vs. STAV-FCS | <0.0001 | **** | Yes |
| Mero-25 vs. ZL34 | 0.0088 | ** | Yes |
| Mero-25 vs. DM-3 | <0.0001 | **** | Yes |
| M-14-K vs. JL-1 | <0.0001 | **** | Yes |
| M-14-K vs. STAV-AB | 0.9972 | ns | No |
| M-14-K vs. STAV-FCS | <0.0001 | **** | Yes |
| M-14-K vs. ZL34 | 0.0062 | ** | Yes |
| M-14-K vs. DM-3 | <0.0001 | **** | Yes |
| JL-1 vs. STAV-AB | <0.0001 | **** | Yes |
| JL-1 vs. STAV-FCS | 0.9952 | ns | No |
| JL-1 vs. ZL34 | <0.0001 | **** | Yes |
| JL-1 vs. DM-3 | 0.6521 | ns | No |
| STAV-AB vs. STAV-FCS | <0.0001 | **** | Yes |
| STAV-AB vs. ZL34 | 0.0025 | ** | Yes |
| STAV-AB vs. DM-3 | <0.0001 | **** | Yes |
| STAV-FCS vs. ZL34 | <0.0001 | **** | Yes |
| STAV-FCS vs. DM-3 | 0.2636 | ns | No |
| ZL34 vs. DM-3 | <0.0001 | **** | Yes |
| **B** | | | |
| **Nuclear Shape** | | | |
| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
| MeT-5a vs. Mero-25 | 0.0007 | *** | Yes |
| MeT-5a vs. M-14-K | >0.9999 | ns | No |
| MeT-5a vs. JL-1 | 0.9998 | ns | No |
| MeT-5a vs. STAV-AB | 0.0846 | ns | No |
| MeT-5a vs. STAV-FCS | 0.0143 | * | Yes |
| MeT-5a vs. ZL34 | <0.0001 | **** | Yes |
| MeT-5a vs. DM-3 | 0.0003 | *** | Yes |
| Mero-25 vs. M-14-K | 0.0007 | *** | Yes |
| Mero-25 vs. JL-1 | 0.0001 | *** | Yes |
| Mero-25 vs. STAV-AB | 0.7688 | ns | No |
| Mero-25 vs. STAV-FCS | 0.9995 | ns | No |
| Mero-25 vs. ZL34 | <0.0001 | **** | Yes |
| Mero-25 vs. DM-3 | <0.0001 | **** | Yes |
| M-14-K vs. JL-1 | 0.996 | ns | No |
| M-14-K vs. STAV-AB | 0.1056 | ns | No |
| M-14-K vs. STAV-FCS | 0.0177 | * | Yes |
| M-14-K vs. ZL34 | <0.0001 | **** | Yes |
| M-14-K vs. DM-3 | <0.0001 | **** | Yes |
| JL-1 vs. STAV-AB | 0.0249 | * | Yes |
| JL-1 vs. STAV-FCS | 0.0038 | ** | Yes |
| JL-1 vs. ZL34 | <0.0001 | **** | Yes |
| JL-1 vs. DM-3 | 0.0024 | ** | Yes |
| STAV-AB vs. STAV-FCS | 0.9847 | ns | No |

| | | | |
|---|---|---|---|
| STAV-AB vs. ZL34 | <0.0001 | **** | Yes |
| STAV-AB vs. DM-3 | <0.0001 | **** | Yes |
| STAV-FCS vs. ZL34 | <0.0001 | **** | Yes |
| STAV-FCS vs. DM-3 | <0.0001 | **** | Yes |
| ZL34 vs. DM-3 | 0.001 | *** | Yes |
| **C** | | | |
| **Nuclear Aspect Ratio** | | | |
| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
| MeT-5a vs. Mero-25 | 0.0003 | *** | Yes |
| MeT-5a vs. M-14-K | 0.9418 | ns | No |
| MeT-5a vs. JL-1 | 0.5708 | ns | No |
| MeT-5a vs. STAV-AB | 0.8904 | ns | No |
| MeT-5a vs. STAV-FCS | 0.7795 | ns | No |
| MeT-5a vs. ZL34 | <0.0001 | **** | Yes |
| MeT-5a vs. DM-3 | 0.0209 | * | Yes |
| Mero-25 vs. M-14-K | 0.0105 | * | Yes |
| Mero-25 vs. JL-1 | <0.0001 | **** | Yes |
| Mero-25 vs. STAV-AB | 0.0307 | * | Yes |
| Mero-25 vs. STAV-FCS | 0.1907 | ns | No |
| Mero-25 vs. ZL34 | <0.0001 | **** | Yes |
| Mero-25 vs. DM-3 | <0.0001 | **** | Yes |
| M-14-K vs. JL-1 | 0.0393 | * | Yes |
| M-14-K vs. STAV-AB | >0.9999 | ns | No |
| M-14-K vs. STAV-FCS | 0.9991 | ns | No |
| M-14-K vs. ZL34 | <0.0001 | **** | Yes |
| M-14-K vs. DM-3 | 0.0001 | *** | Yes |
| JL-1 vs. STAV-AB | 0.0308 | * | Yes |
| JL-1 vs. STAV-FCS | 0.0283 | * | Yes |
| JL-1 vs. ZL34 | 0.0036 | ** | Yes |
| JL-1 vs. DM-3 | 0.805 | ns | No |
| STAV-AB vs. STAV-FCS | >0.9999 | ns | No |
| STAV-AB vs. ZL34 | <0.0001 | **** | Yes |
| STAV-AB vs. DM-3 | 0.0001 | *** | Yes |
| STAV-FCS vs. ZL34 | <0.0001 | **** | Yes |
| STAV-FCS vs. DM-3 | 0.0002 | *** | Yes |
| ZL34 vs. DM-3 | 0.4475 | ns | No |
| **D** | | | |
| **Nuclear Perimeter** | | | |
| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
| MeT-5a vs. Mero-25 | 0.0049 | ** | Yes |
| MeT-5a vs. M-14-K | <0.0001 | **** | Yes |
| MeT-5a vs. JL-1 | 0.2205 | ns | No |
| MeT-5a vs. STAV-AB | <0.0001 | **** | Yes |
| MeT-5a vs. STAV-FCS | 0.0009 | *** | Yes |
| MeT-5a vs. ZL34 | 0.0453 | * | Yes |
| MeT-5a vs. DM-3 | <0.0001 | **** | Yes |
| Mero-25 vs. M-14-K | 0.9458 | ns | No |
| Mero-25 vs. JL-1 | 0.8847 | ns | No |
| Mero-25 vs. STAV-AB | <0.0001 | **** | Yes |
| Mero-25 vs. STAV-FCS | 0.9984 | ns | No |
| Mero-25 vs. ZL34 | <0.0001 | **** | Yes |
| Mero-25 vs. DM-3 | <0.0001 | **** | Yes |
| M-14-K vs. JL-1 | 0.1418 | ns | No |
| M-14-K vs. STAV-AB | 0.0002 | *** | Yes |
| M-14-K vs. STAV-FCS | >0.9999 | ns | No |
| M-14-K vs. ZL34 | <0.0001 | **** | Yes |
| M-14-K vs. DM-3 | <0.0001 | **** | Yes |
| JL-1 vs. STAV-AB | <0.0001 | **** | Yes |
| JL-1 vs. STAV-FCS | 0.5463 | ns | No |

| | | | |
|---|---|---|---|
| JL-1 vs. ZL34 | <0.0001 | **** | Yes |
| JL-1 vs. DM-3 | <0.0001 | **** | Yes |
| STAV-AB vs. STAV-FCS | 0.0008 | *** | Yes |
| STAV-AB vs. ZL34 | <0.0001 | **** | Yes |
| STAV-AB vs. DM-3 | <0.0001 | **** | Yes |
| STAV-FCS vs. ZL34 | <0.0001 | **** | Yes |
| STAV-FCS vs. DM-3 | <0.0001 | **** | Yes |
| ZL34 vs. DM-3 | <0.0001 | **** | Yes |

**E**

**Nuclear Area**

| **Tukey's Multiple Comparisons Test** | **Adjusted *p* Value** | **Summary** | **Significant?** |
|---|---|---|---|
| MetT-5a vs. Mero-25 | 0.2874 | ns | No |
| MetT-5a vs. M-14-K | <0.0001 | **** | Yes |
| MetT-5a vs. JL-1 | 0.5501 | ns | No |
| MetT-5a vs. STAV-AB | <0.0001 | **** | Yes |
| MetT-5a vs. STAV-FCS | 0.0503 | ns | No |
| MetT-5a vs. ZL34 | >0.9999 | ns | No |
| MetT-5a vs. DM-3 | <0.0001 | **** | Yes |
| Mero-25 vs. M-14-K | 0.4344 | ns | No |
| Mero-25 vs. JL-1 | 0.9998 | ns | No |
| Mero-25 vs. STAV-AB | <0.0001 | **** | Yes |
| Mero-25 vs. STAV-FCS | 0.9911 | ns | No |
| Mero-25 vs. ZL34 | 0.1457 | ns | No |
| Mero-25 vs. DM-3 | <0.0001 | **** | Yes |
| M-14-K vs. JL-1 | 0.1489 | ns | No |
| M-14-K vs. STAV-AB | 0.0138 | * | Yes |
| M-14-K vs. STAV-FCS | 0.969 | ns | No |
| M-14-K vs. ZL34 | <0.0001 | **** | Yes |
| M-14-K vs. DM-3 | <0.0001 | **** | Yes |
| JL-1 vs. STAV-AB | <0.0001 | **** | Yes |
| JL-1 vs. STAV-FCS | 0.9068 | ns | No |
| JL-1 vs. ZL34 | 0.3477 | ns | No |
| JL-1 vs. DM-3 | <0.0001 | **** | Yes |
| STAV-AB vs. STAV-FCS | 0.0023 | ** | Yes |
| STAV-AB vs. ZL34 | <0.0001 | **** | Yes |
| STAV-AB vs. DM-3 | <0.0001 | **** | Yes |
| STAV-FCS vs. ZL34 | 0.0182 | * | Yes |
| STAV-FCS vs. DM-3 | <0.0001 | **** | Yes |
| ZL34 vs. DM-3 | <0.0001 | **** | Yes |

**Table S6.** Characteristics of the cell lines used in the study.

| Cell Line | Origin | Phenotype | Original Reference |
|---|---|---|---|
| MeT-5a | Pleural fluids from non-cancerous male donor. Transfected with pRSV-T plasmid (SV40 early T antigen) | epithelial | [1] |
| Mero-25 | Autopsy from 60 year-old male donor. Asbestos-related | epithelioid | [2] |
| STAV-AB | Pleural fluid from 59 year-old male donor. | epithelioid | [3] |
| STAV-FCS | same as STAV-AB | biphasic, fibroblastic | [3] |
| M-14-K | Fibrous pleural tumor from male smoker. Asbestos-related | epithelioid, biphasic | [4] |
| ZL34 | Fibrous tumor of pleural cavity from 53 year-old male donor. Asbestos-related | biphasic | [5] |
| JL-1 | Biopsy from a 54 year-old male donor. Asbestos-related. | epithelioid, biphasic | [6] |
| DM-3 | Biopsy from a 62 year-old male donor. Asbestos-related. | sarcomatoid | [6] |

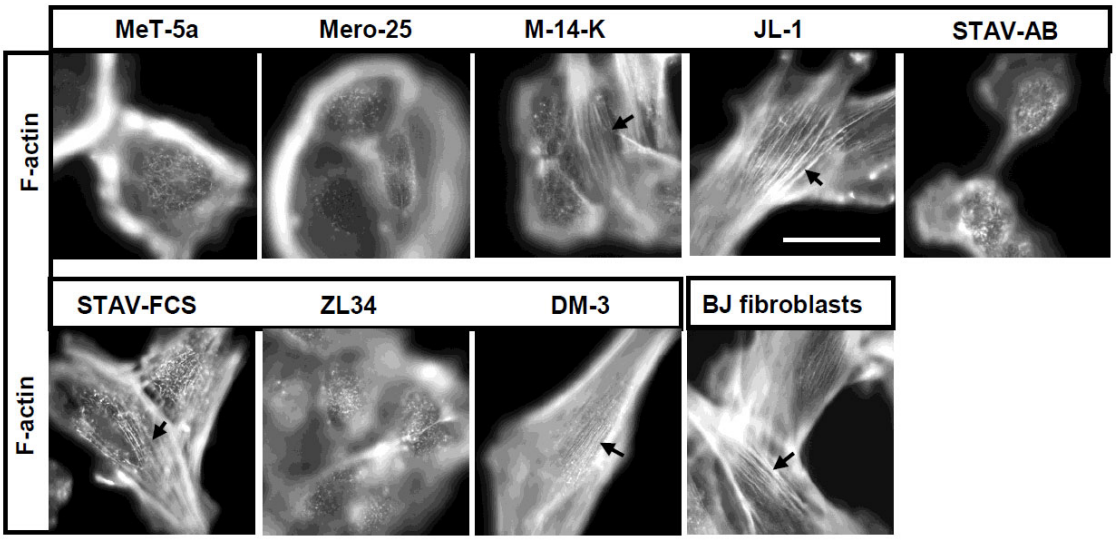


**Figure S1.** Visualization of actin caps.

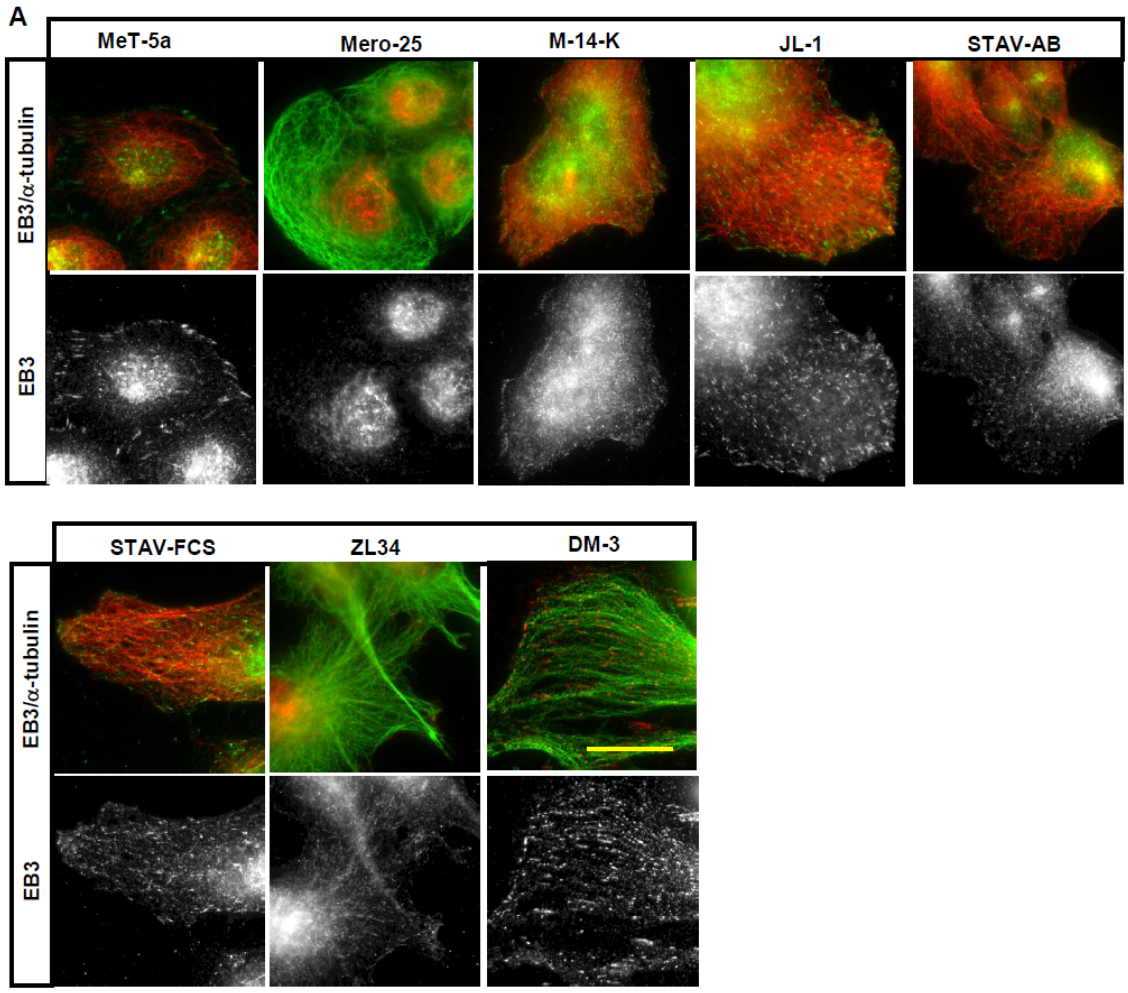


**Figure S2.** Visualization of microtubule ends.

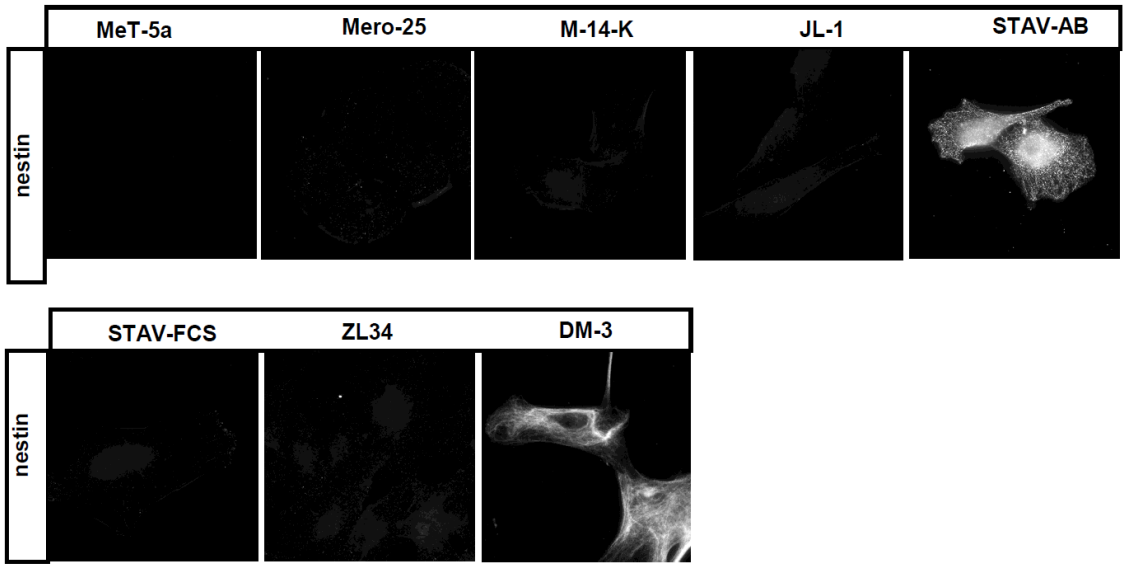


**Figure S3.** Visualization of nestin intermediate filaments.

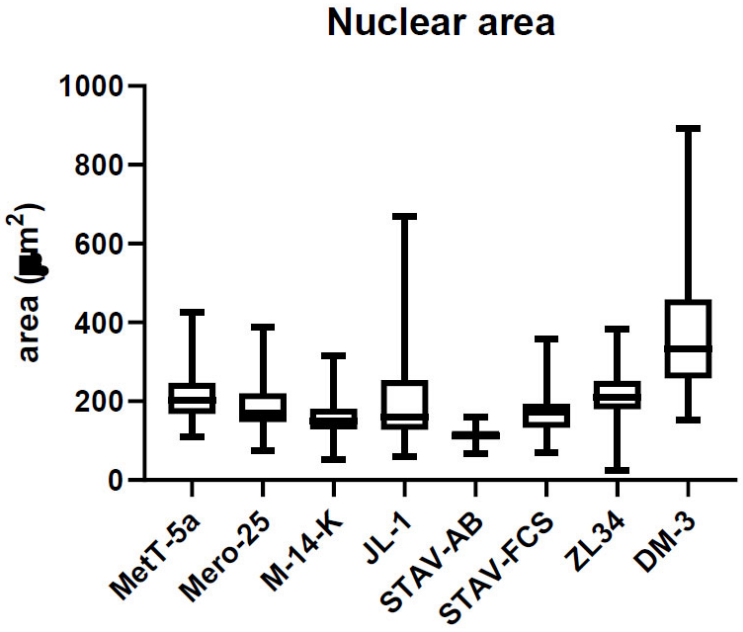


**Figure S4.** Nuclear area.

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