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| **SUPPLEMENTAL TABLE S1.** Comparison of circulating biomarkers between three risk subgroups involved in multifunctional pathways of pulmonary arterial hypertension |
| Variables | Low risk (N=3) | Intermediate risk (N=24) | High risk(N=23) | P-value |
| Angiopoietin-2 (pg/mL) | 3632.7 | ± | 2203.2 | 6562.8 | ± | 4952.0 | 5871.0 | ± | 5029.6 | 0.603 |
| BMP-2 (pg/mL) | 14.6 | ± |  | 14.6 | ± |  | 12.4 | ± | 2.1 | 0.501 |
| BMP-4 (pg/mL) | 3.8 | ± | 0.6 | 4.6 | ± | 0.6 | 5.1 | ± | 1.2 | 0.119 |
| CD40 (pg/mL) | 1956.3 | ± | 666.3 | 1656.3 | ± | 957.0 | 1666.3 | ± | 817.7 | 0.854 |
| Endoglin (pg/mL) | 1278.8 | ± | 813.5 | 1324.1 | ± | 523.3 | 1411.1 | ± | 433.6 | 0.807 |
| Interlukin-6 (pg/mL) | 1.9 | ± | 0.6 | 2.6 | ± | 1.7 | 3.6 | ± | 6.5 | 0.696 |
| Myeloperoxidase (pg/mL) | 5446.2 | ± | 1206.2 | 6605.1 | ± | 1946.1 | 6345.4 | ± | 1753.7 | 0.572 |
| Osteopontin (pg/mL) | 9223.4 | ± | 2141.7 | 9223.4 | ± | 9223.4 | 9223.4 | ± | 9223.4 | 0.583 |
| VEGF (pg/mL) | 43.5 | ± | 24.1 | 33.6 | ± | 24.1 | 26.2 | ± | 13.8 | 0.247 |

**Abbreviations:** BMP, bone morphogenetic protein; CD, cluster of differentiation; VEGF, vascular endothelial growth factor