

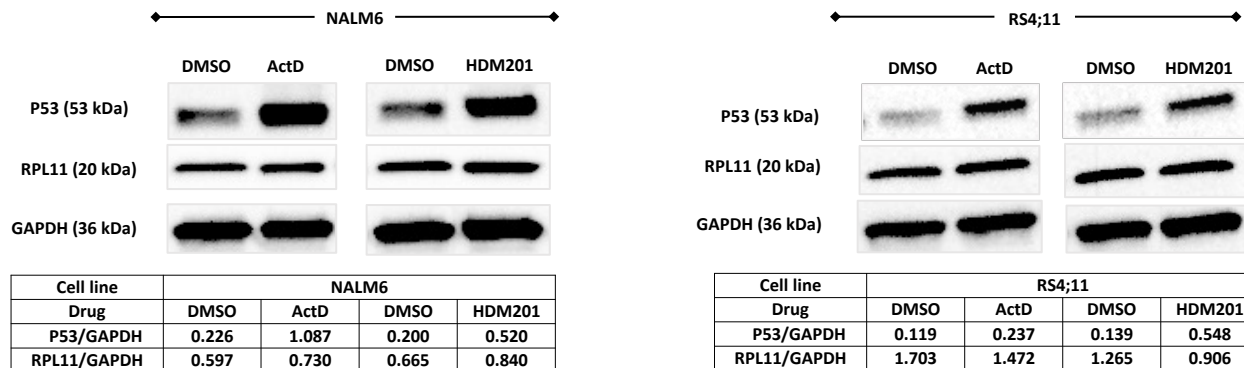
Supplementary information

Association between dysfunction of the nucleolar stress response and multidrug resistance in pediatric acute lymphoblastic leukemia

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a



b

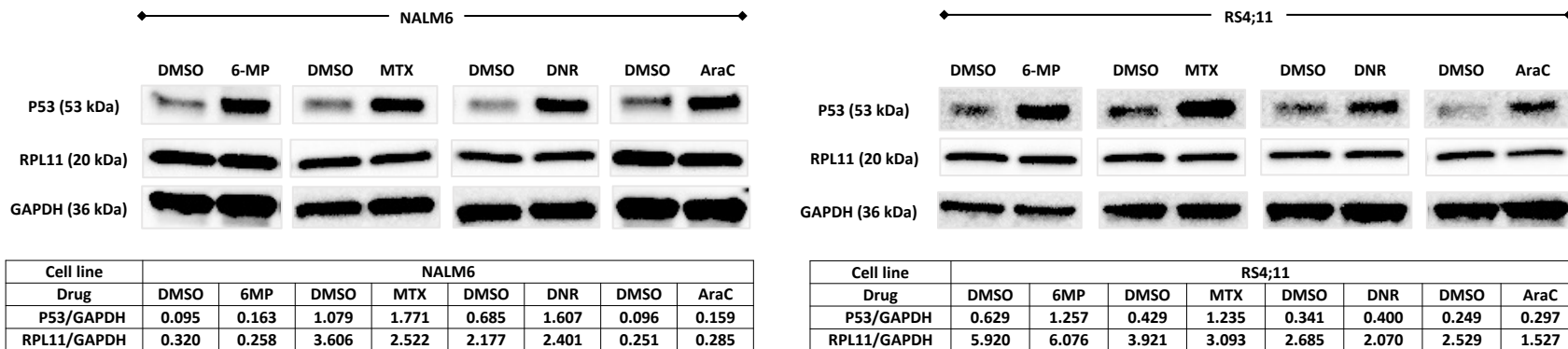


Figure S1. Actinomycin D, HDM201, 6-mercaptopurine, methotrexate, daunorubicin, and cytarabine increased TP53 protein expression. (a) Western blot analysis of TP53 and RPL11 at 24 h after 1 nM ActD or 100 nM HDM201 treatment in NALM6 cells as well as after 48 h of 0.1 nM ActD or 10 nM HDM201 treatment for RS4;11; (b) Western blot analysis of TP53 and RPL11 after 24 h of drug treatment in NALM6 cells and 48 h of drug treatment in RS4;11 cells. GAPDH levels were used as a loading control. Each cell was treated with 100 μ M 6-mercaptopurine, 100 nM methotrexate, 10 nM daunorubicin, and 100 nM cytarabine for NALM6 cells as well as with 10 μ M 6-mercaptopurine, 100 nM M methotrexate, 3 nM daunorubicin, and 3 nM cytarabine for RS4;11 cells. 6-MP, 6-mercaptopurine; ActD, actinomycin D; AraC, cytarabine; DMSO, dimethyl sulfoxide; DNR, daunorubicin; MTX, methotrexate.