

CEBPA????? ????? ?? 1-
AML?? ?????????? ??

1-CEBPA (CCAAT/enhancer binding protein-alpha) gene sequencing in AML patients

CALR????? ?????? ?? 2-
MPD?? ?????????? ??

2-CALR (Calreticulin) gene sequencing in MPD patients

?? NPM????? ?????? ?? 3-
AML????????? ??

3-NPM (Nucleophosmin) gene sequencing in AML patients

????? ?????? ?? 4-
?? ?????????? ?? RUNX1T1
AML

4-RUNX1T1 gene sequencing in AML patients

????????? ?????????? ?? 5-
?? ?????????? ?? ??????MPL
?? ?????????????????????

5-MPL gene mutation in MPD patients

FIP1L1 ?? ??????????6-
PDGFR

6-FIP1L1 PDGFR gene rearrangement

T315I????? ?????????? 7-

7-T315I mutation

????? ?????????? ?? ?? 8-
PAI



8-PAI (plasminogen activator inhibitor) mutation

????? ?????????? ???????9-
XIII????????? ??????

9-XIII mutation 9-factor

PIK3CA?????? ?????? ?? 10-

10-PIK3CA gene sequencing

????? ?????????????????? ?? 11-
-RT ? FISH ?? ??? N-MYC
PCR

11-N-MYC gene amplification -Real time PCR & FISH