



Spliceosome mutations are mutually exclusive,<sup>1</sup> although one PMF patient has been described as carrying mutations in *SRSF2*, *SF3B1* and *U2AF1*.<sup>3</sup> *SF3B1* and *U2AF1* mutations are frequently associated with *JAK2V617F* and *MPLW515* mutations.<sup>2,3</sup> *SRSF2* mutations are frequently associated with *IDH1/2* mutations.<sup>9</sup>

## References

1. Yoshida K *et al.* Frequent pathway mutations of splicing machinery in myelodysplasia. *Nature* **478**, 64–69 (2011).
2. Lasho TL *et al.* SF3B1 mutations in primary myelofibrosis: clinical, histopathology and genetic correlates among 155 patients. *Leukemia* **26**, 1135–1137 (2012).
3. Tefferi A *et al.* U2AF1 mutations in primary myelofibrosis are strongly associated with anemia and thrombocytopenia despite clustering with JAK2V617F and normal karyotype. *Leukemia* **28**, 431–433 (2014).
4. Papaemmanuil E *et al.* Somatic SF3B1 mutation in myelodysplasia with ring sideroblasts. *N. Engl. J. Med.* **365**, 1384–1395 (2011).
5. Zhang S-J *et al.* Genetic analysis of patients with leukemic transformation of myeloproliferative neoplasms shows recurrent SRSF2 mutations that are associated with adverse outcome. *Blood* **119**, 4480–4485 (2012).
6. Broséus J *et al.* Age, JAK2V617F and SF3B1 mutations are the main predicting factors for survival in refractory anaemia with ring sideroblasts and marked thrombocytosis. *Leukemia* **27**, 1826–1831 (2013).
7. Broséus J *et al.* Low rate of calreticulin mutations in refractory anaemia with ring sideroblasts and marked thrombocytosis. *Leukemia* (2014). doi:10.1038/leu.2014.49
8. Visconte V *et al.* SF3B1, a splicing factor is frequently mutated in refractory anemia with ring sideroblasts. *Leukemia* **26**, 542–545 (2012).
9. Lasho TL *et al.* SRSF2 mutations in primary myelofibrosis: significant clustering with IDH mutations and independent association with inferior overall and leukemia-free survival. *Blood* **120**, 4168–4171 (2012).