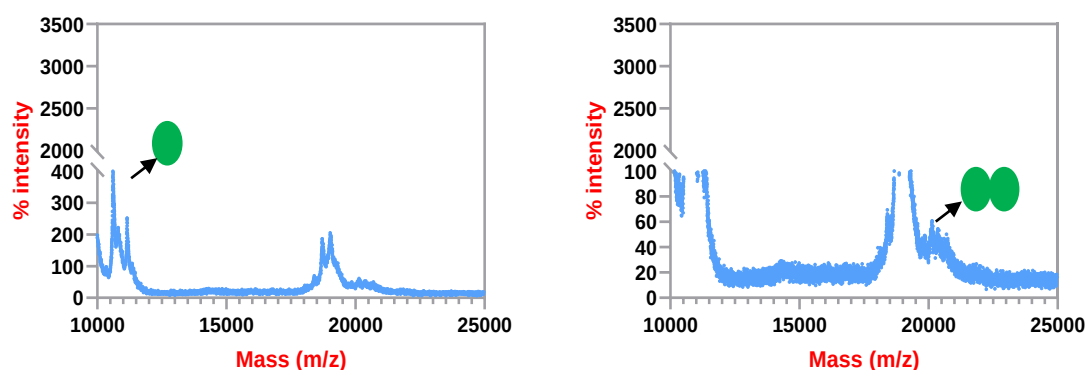
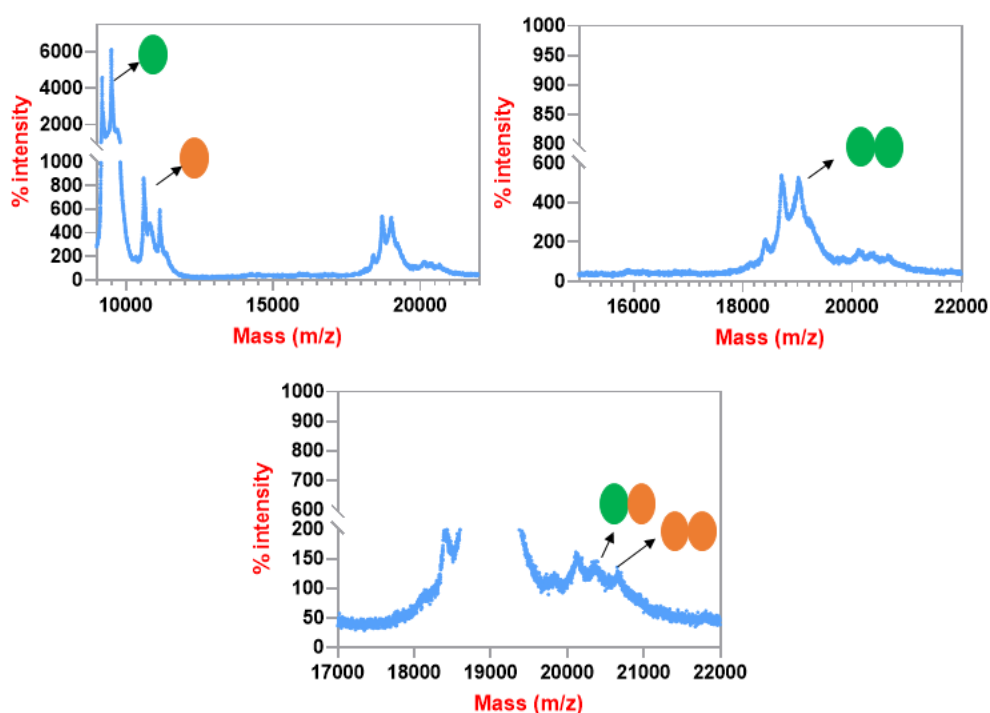
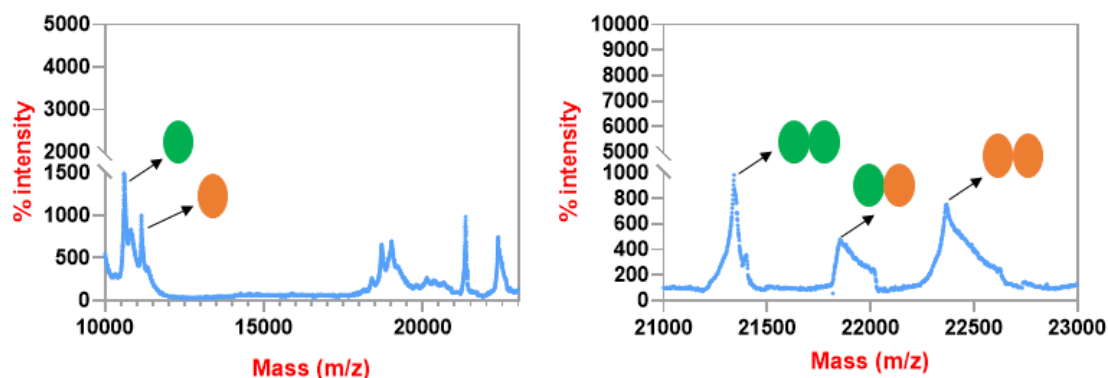




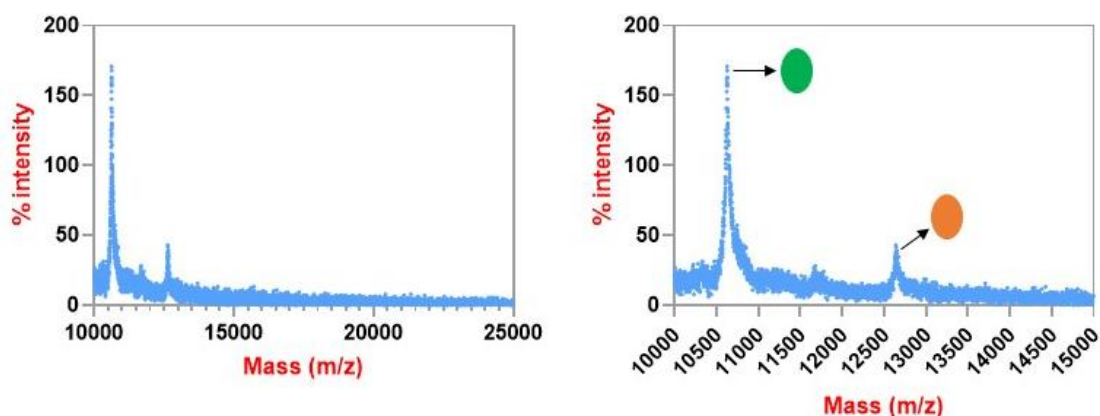
Supplementary figure 3.1: MALDI-TOF mass spectra of TraesCS3D02G364900 (ABI5) with monomer (monoisotopic) peak (10664) and dimer peak (21,328) in 2 μ M concentration. For better understanding, we have coloured monomeric peak with green oval shape and the homodimeric peak with two shapes using same colour.



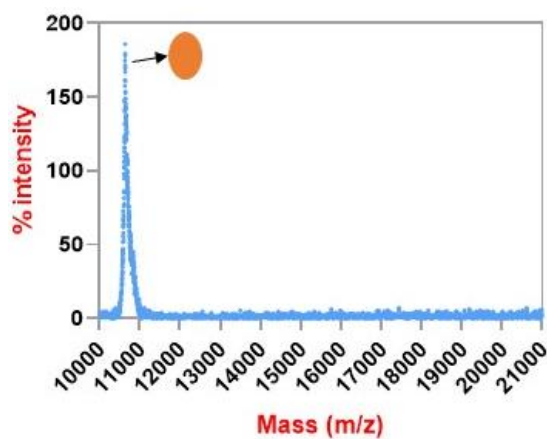
Supplementary figure 3.2: MALDI-TOF mass spectra of TraesCS7A02G398400 and TraesCS3D02G364900 (ABI5) in combination with TraesCS1A02G072600, showing both the monomeric peaks (single green or orange coloured) and homo- (two shapes with same colour) and heterodimer (two shapes together with different colours) peaks.



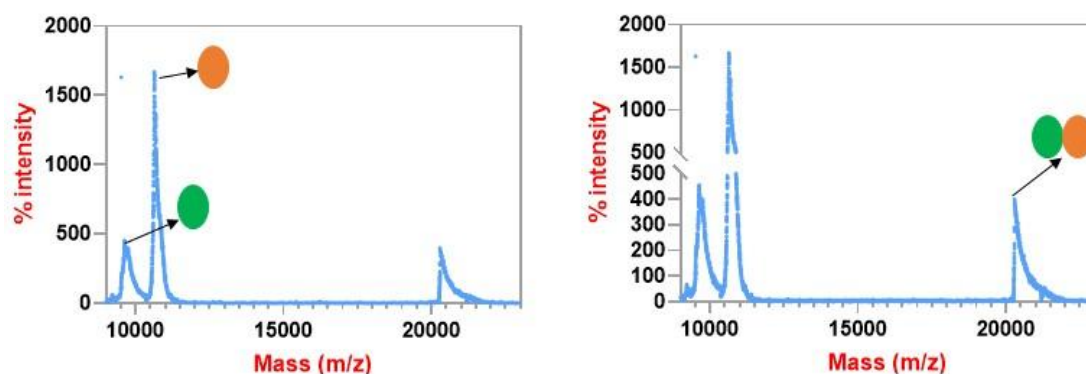
Supplementary figure 3.3: MALDI-TOF mass spectra of TraesCS5B02G470600 (EmBP1) and TraesCS3D02G364900 (ABI5) showing both the monomeric peaks and homo- and heterodimer peaks.



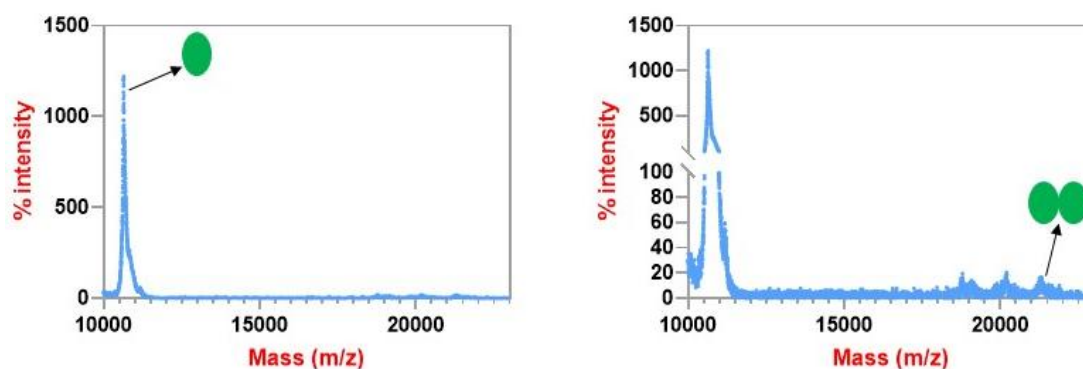
Supplementary figure 3.4: MALDI-TOF mass spectra of TraesCS3D02G364900 (ABI5) with TraesCS5D02G124600 (TabZIP1) showing both the monomeric peaks and dimeric peaks did not appear.



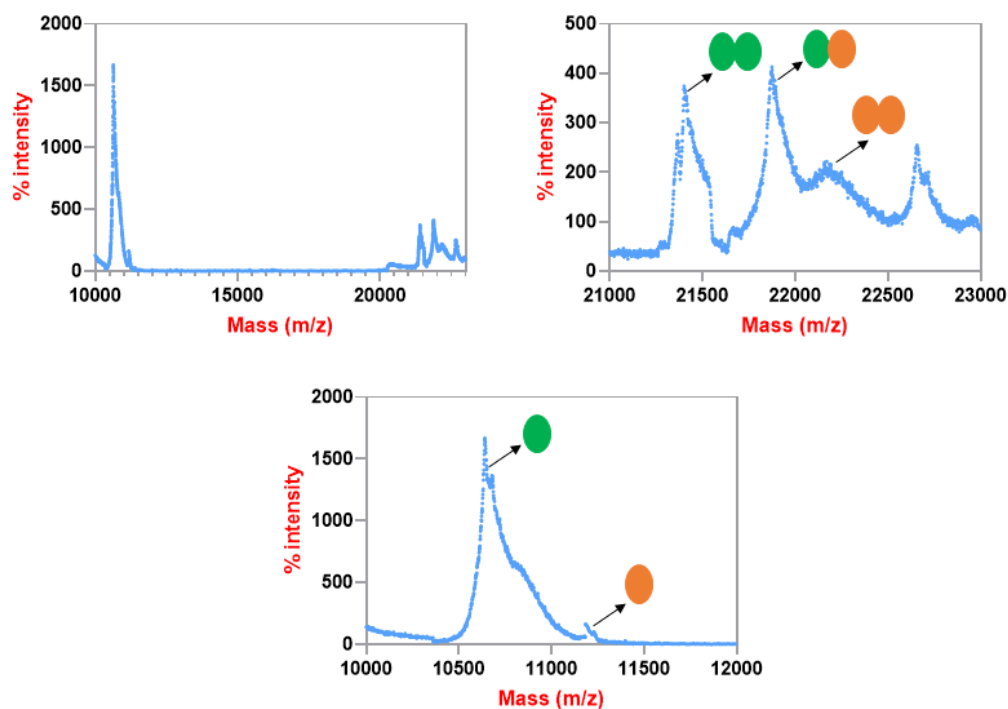
Supplementary figure 3.5: MALDI-TOF mass spectra TraesCS1A02G072600 with monomer (monoisotopic) peak (10700) in 2 μ M concentration. Its homodimeric peak did not come.



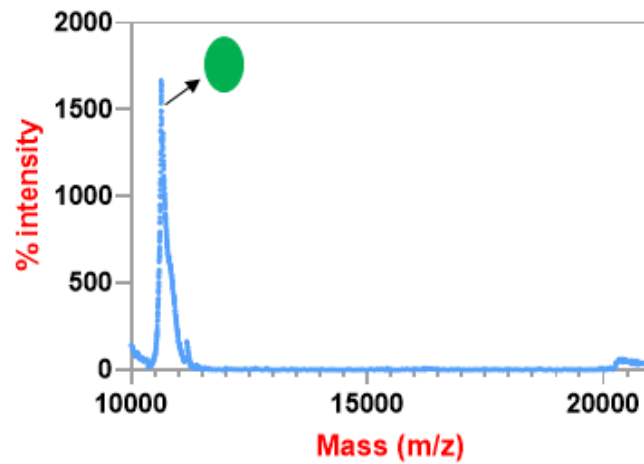
Supplementary figure 3.6: MALDI-TOF mass spectra TraesCS1A02G072600 and TraesCS7A02G398400 showing the monomeric peaks and both the homo- and heterodimeric peaks.



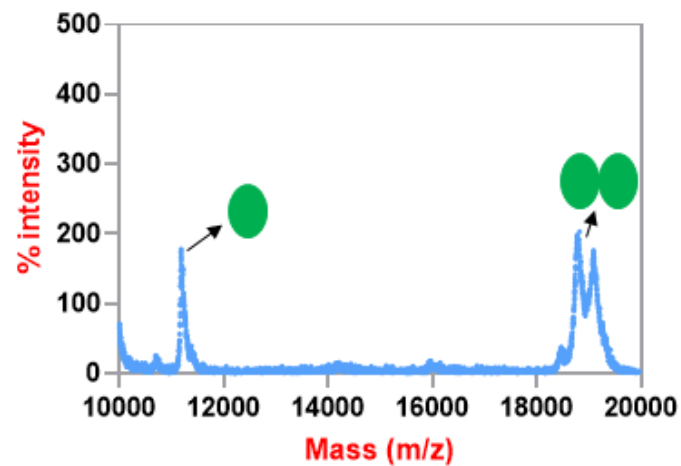
Supplementary figure 3.7: MALDI-TOF mass spectra TraesCS1A02G072600 and TraesCS7D02G518100 showing both the monomeric peaks and homo-dimeric peak of TraesCS7D02G518100.



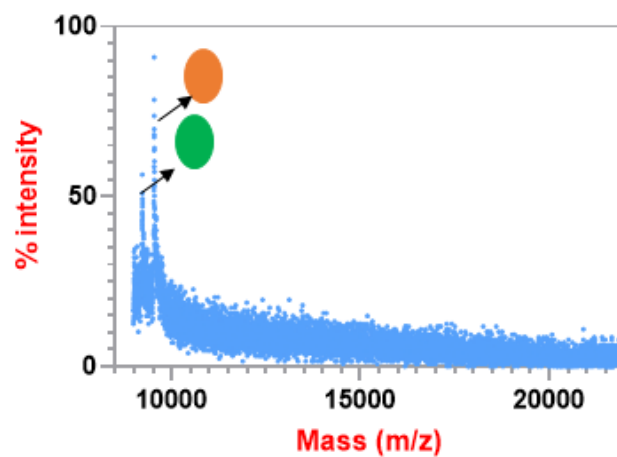
Supplementary figure 3.8: MALDI-TOF mass spectra TraesCS1A02G072600 and TraesCS5B02G470600 (EmBP1) showing both the monomeric and dimeric peaks.



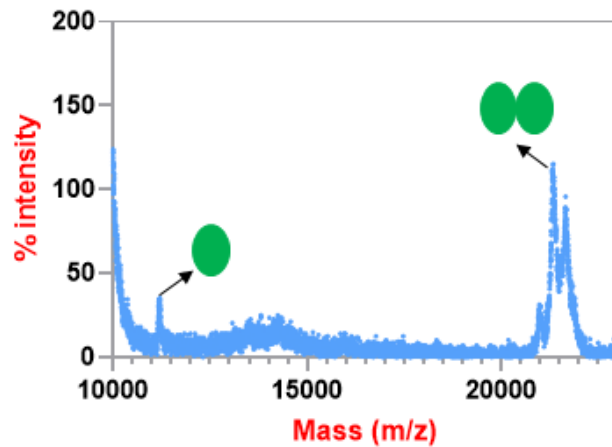
Supplementary figure 3.9: MALDI-TOF mass spectra TraesCS1A02G072600 and TraesCS5D02G124600 (TabZIP1) showing both the monomeric peaks. No dimeric peaks were observed.



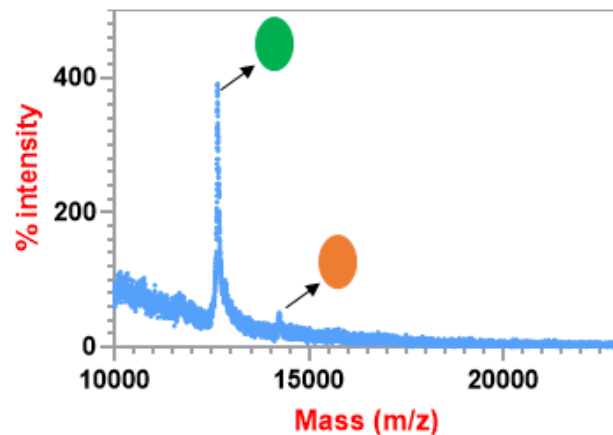
Supplementary figure 3.10: MALDI-TOF mass spectra of TraesCS7A02G398400 showing both the monomeric and dimeric peaks.



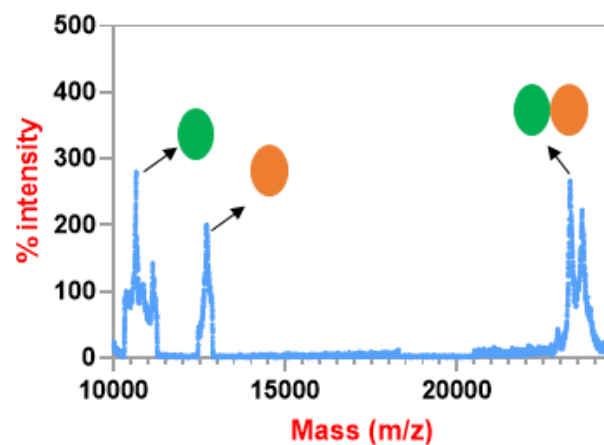
Supplementary figure 3.11: MALDI-TOF mass spectra of TraesCS7A02G398400 in combination with TraesCS5D02G124600 (TabZIP1) showing both the monomeric peaks. No dimeric peaks were observed.



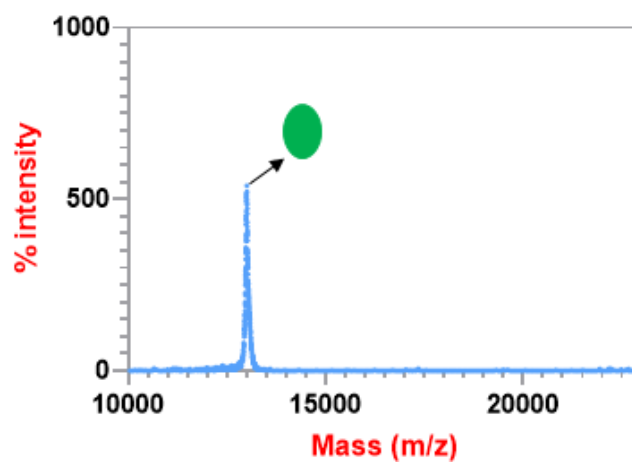
Supplementary figure 3.12: MALDI-TOF mass spectra of TraesCS7D02G518100 showing both the monomeric and dimeric peaks.



Supplementary figure 3.13: MALDI-TOF mass spectra of TraesCS7D02G518100 and TraesCS5B02G470600 (EmBP1) showing only the monomeric peaks indicative of no dimerization event.



Supplementary figure 3.14: MALDI-TOF mass spectra of TraesCS7D02G518100 and TraesCS5D02G124600 (TabZIP1) showing both the monomeric and dimeric peaks. Green and orange shapes together are showing the heterodimerization between the two bZIPs.



Supplementary figure 3.15: MALDI-TOF mass spectra of TraesCS5D02G124600 (TabZIP1) showing monomeric peak.