

Fig. 1. Histogram plots for raw input features of Wine data

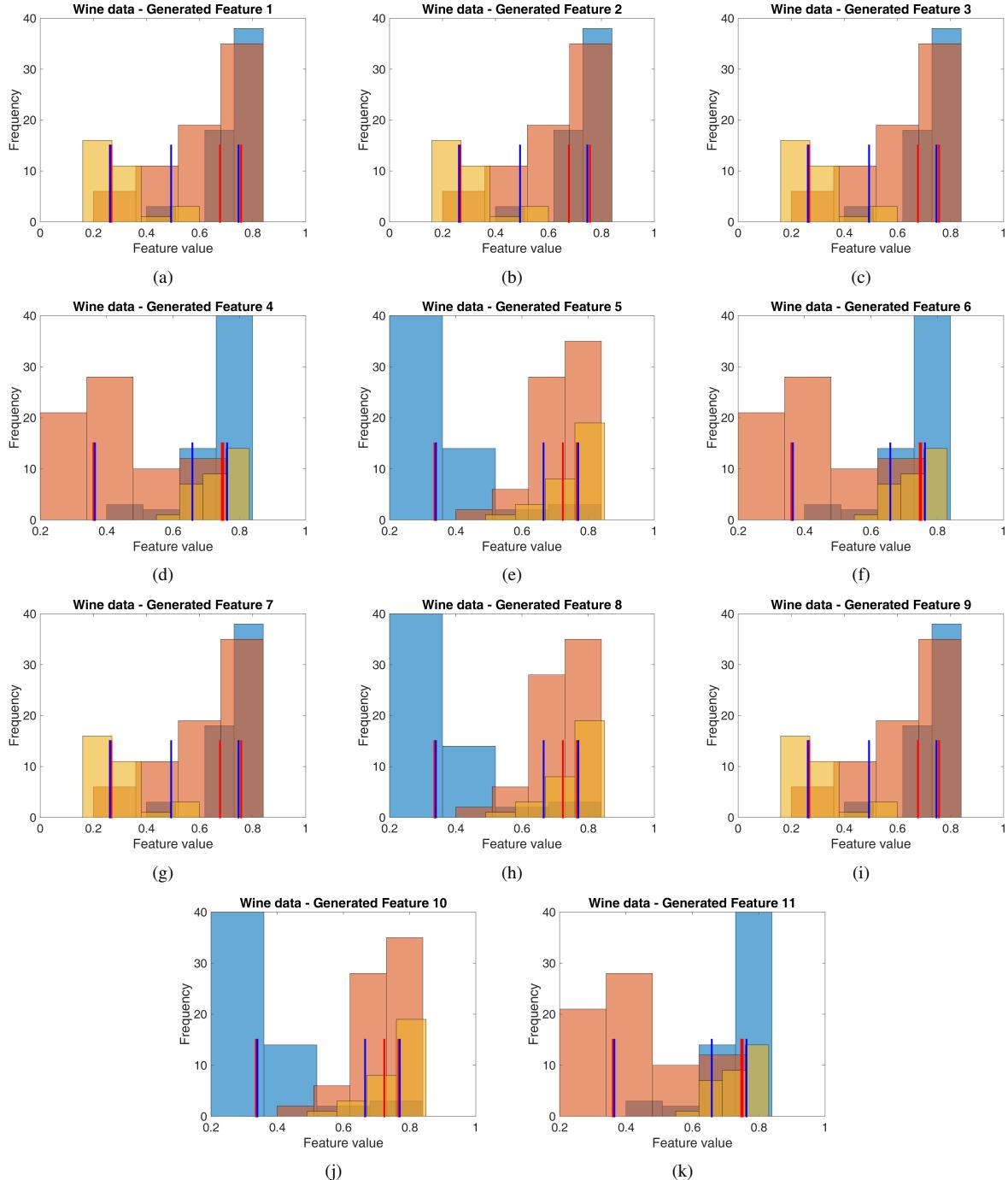


Fig. 2. Class wise histogram plots for each of the 11 high level features generated by PP-II followed by SDSAE (before finetuning) on Wine data. Red lines represent the individual medians of both classes as required in FT-I, and dotted blue lines represent the cluster centers found with EM based clustering

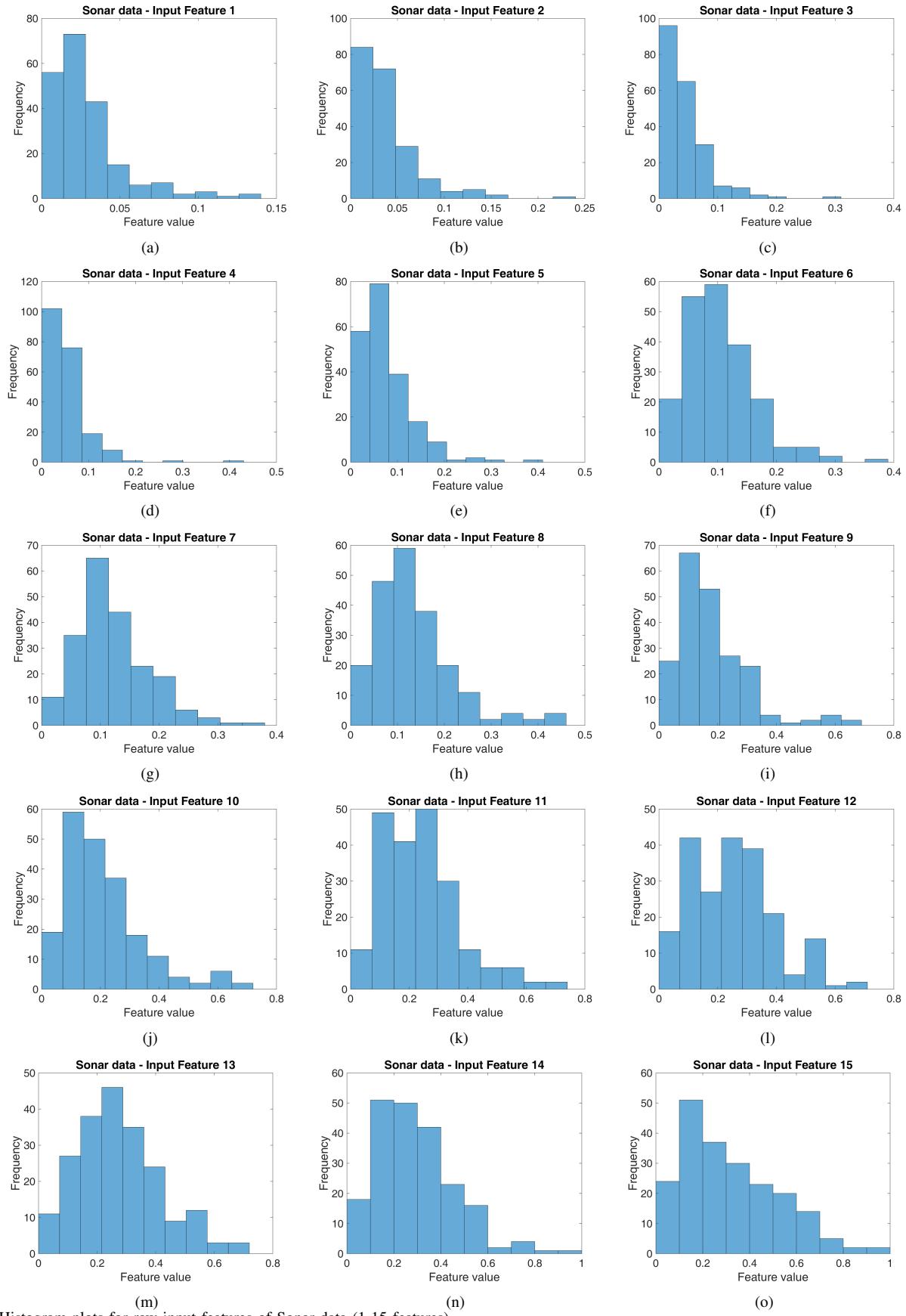


Fig. 3. Histogram plots for raw input features of Sonar data (1-15 features)

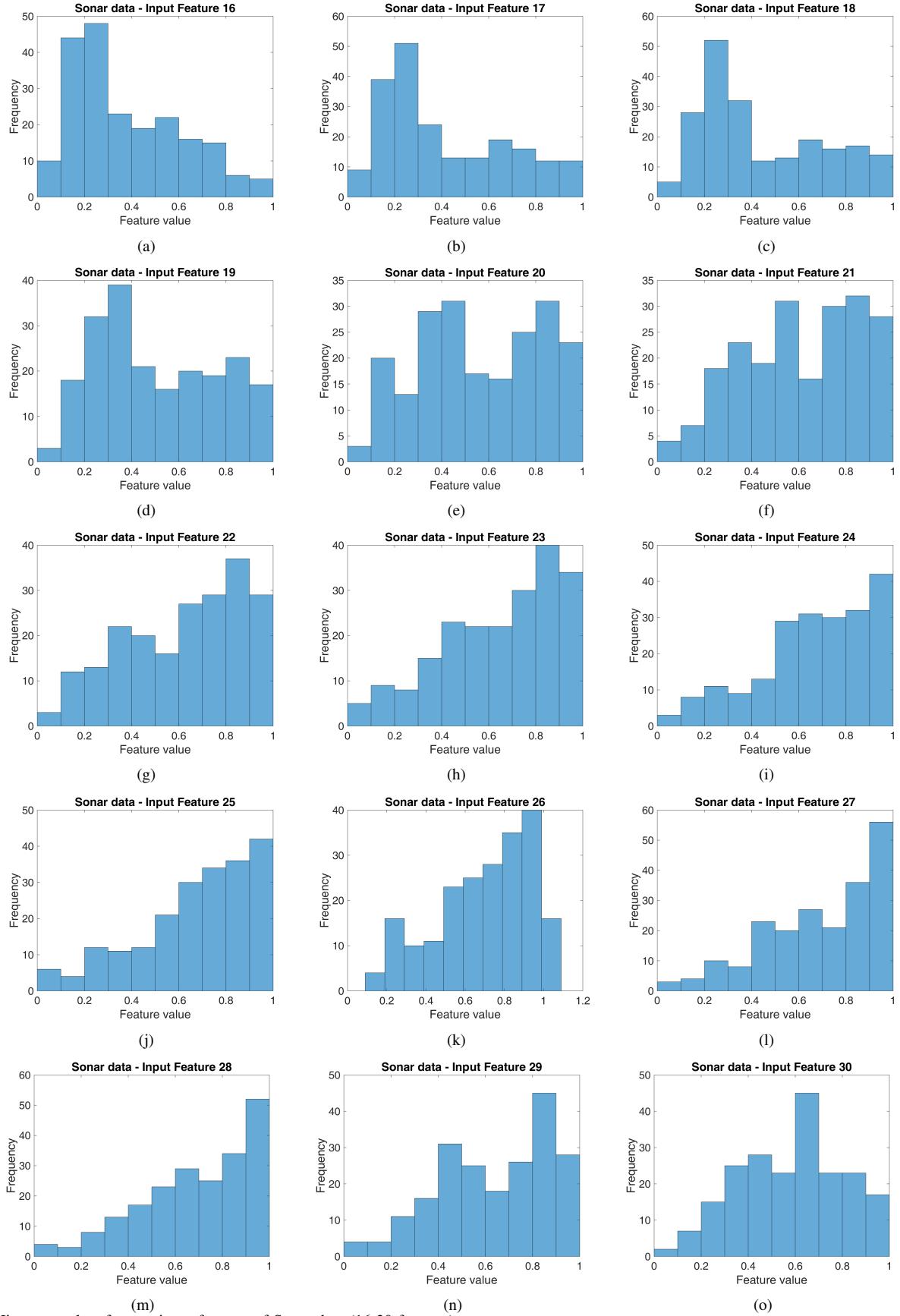


Fig. 4. Histogram plots for raw input features of Sonar data (16-30 features)

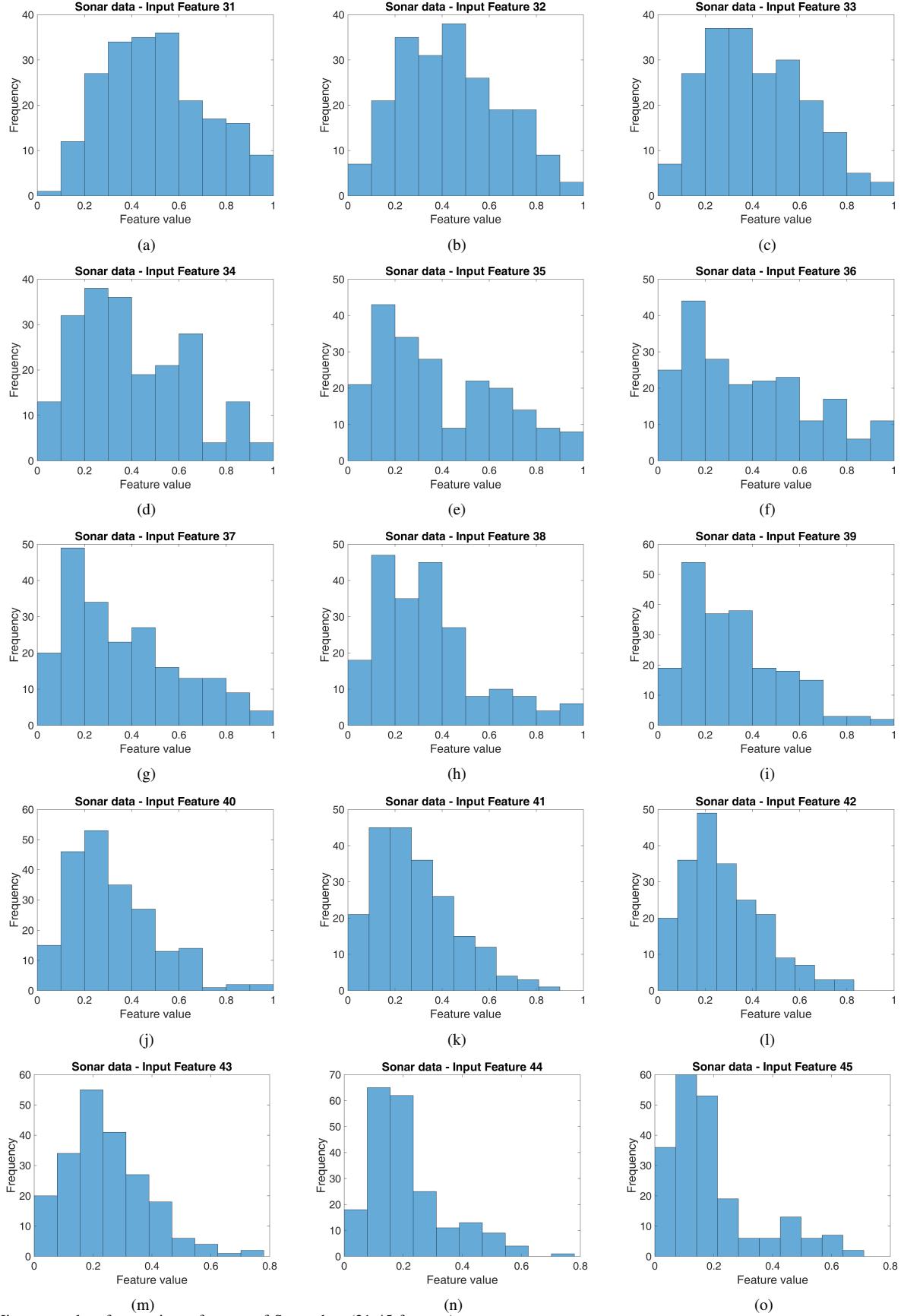


Fig. 5. Histogram plots for raw input features of Sonar data (31-45 features)

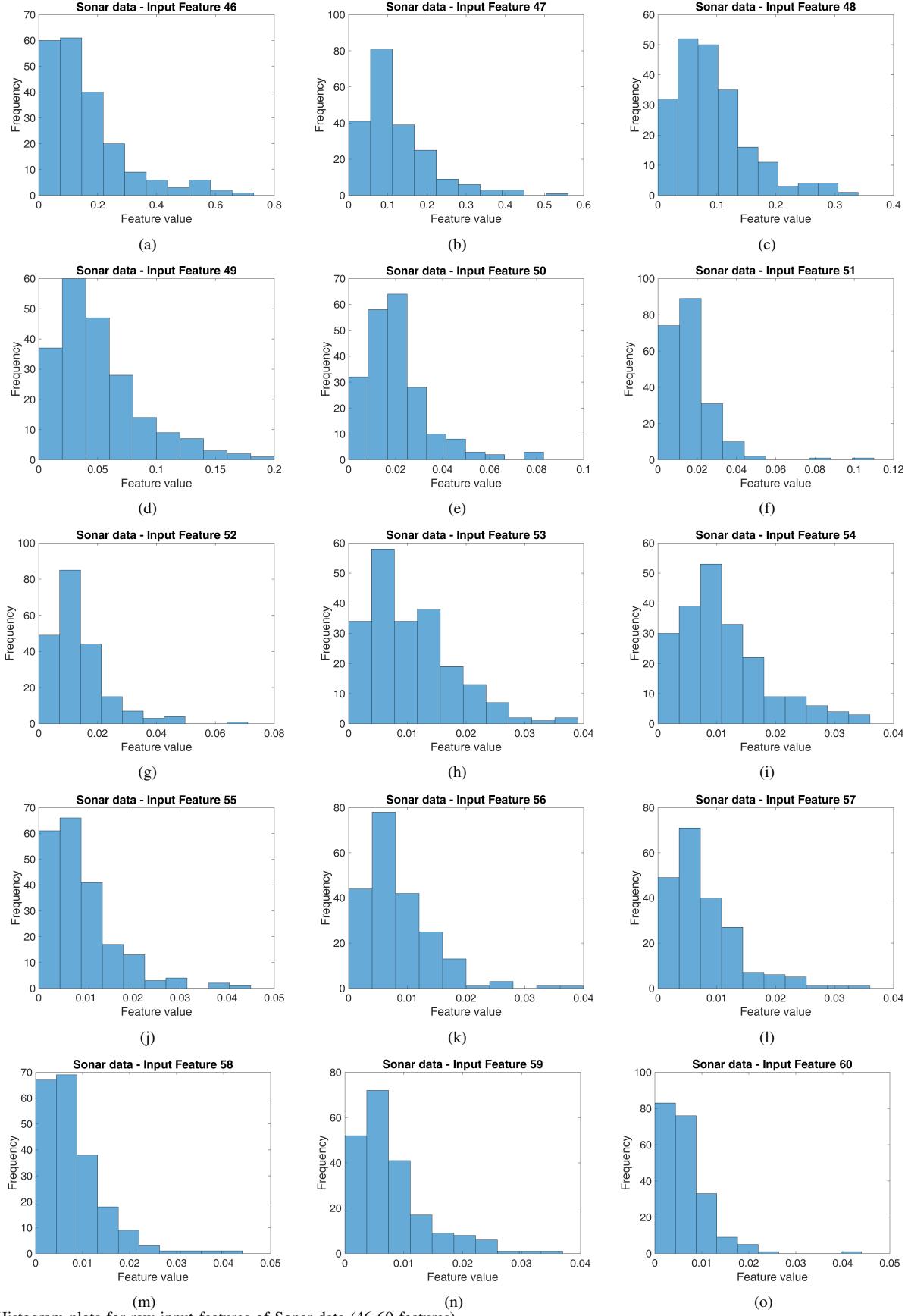


Fig. 6. Histogram plots for raw input features of Sonar data (46-60 features)

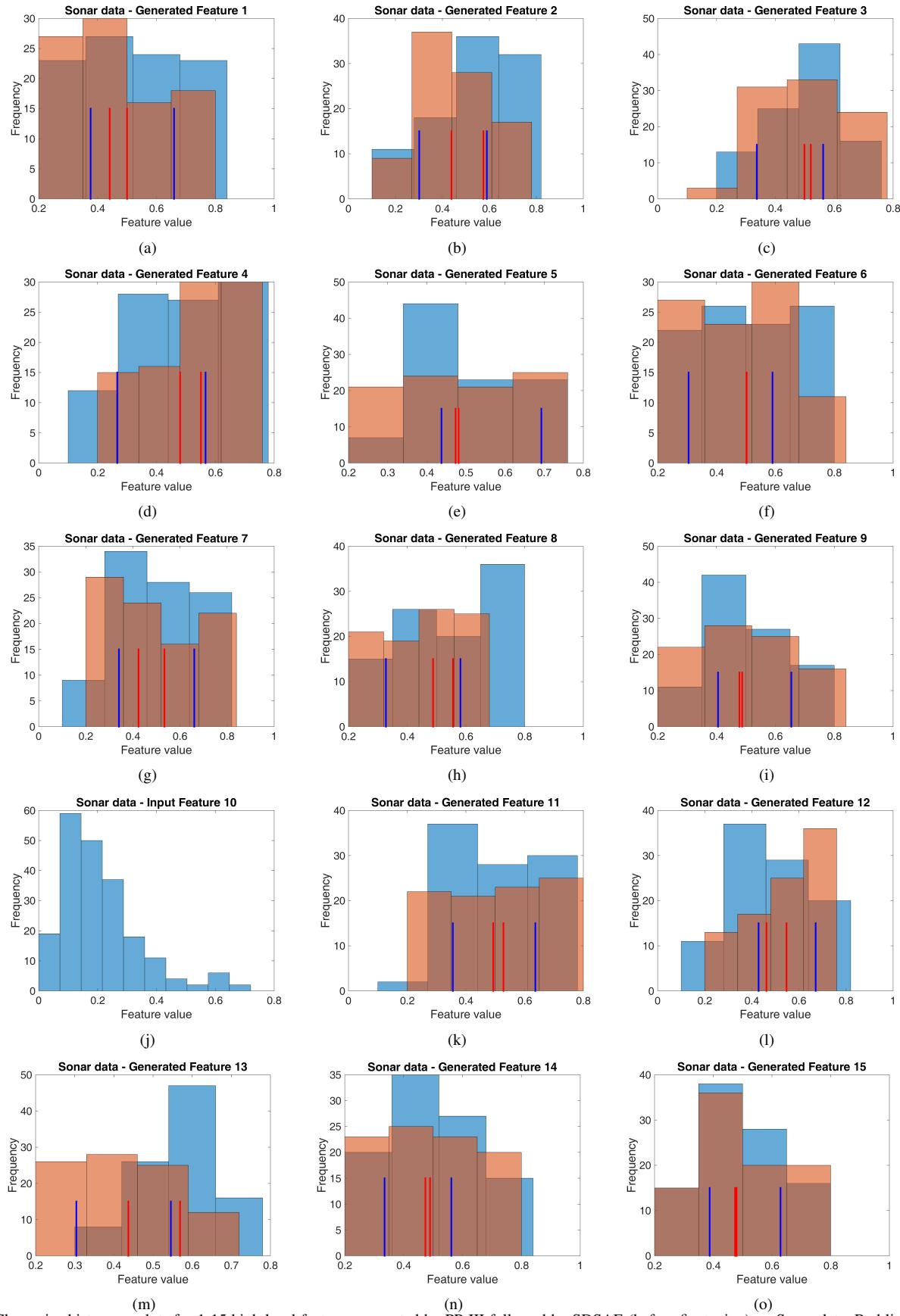


Fig. 7. Class wise histogram plots for 1-15 high level features generated by PP-III followed by SDSAE (before finetuning) on Sonar data. Red lines represent the individual medians of both classes as required in FT-I, and dotted blue lines represent the cluster centers found with EM based clustering

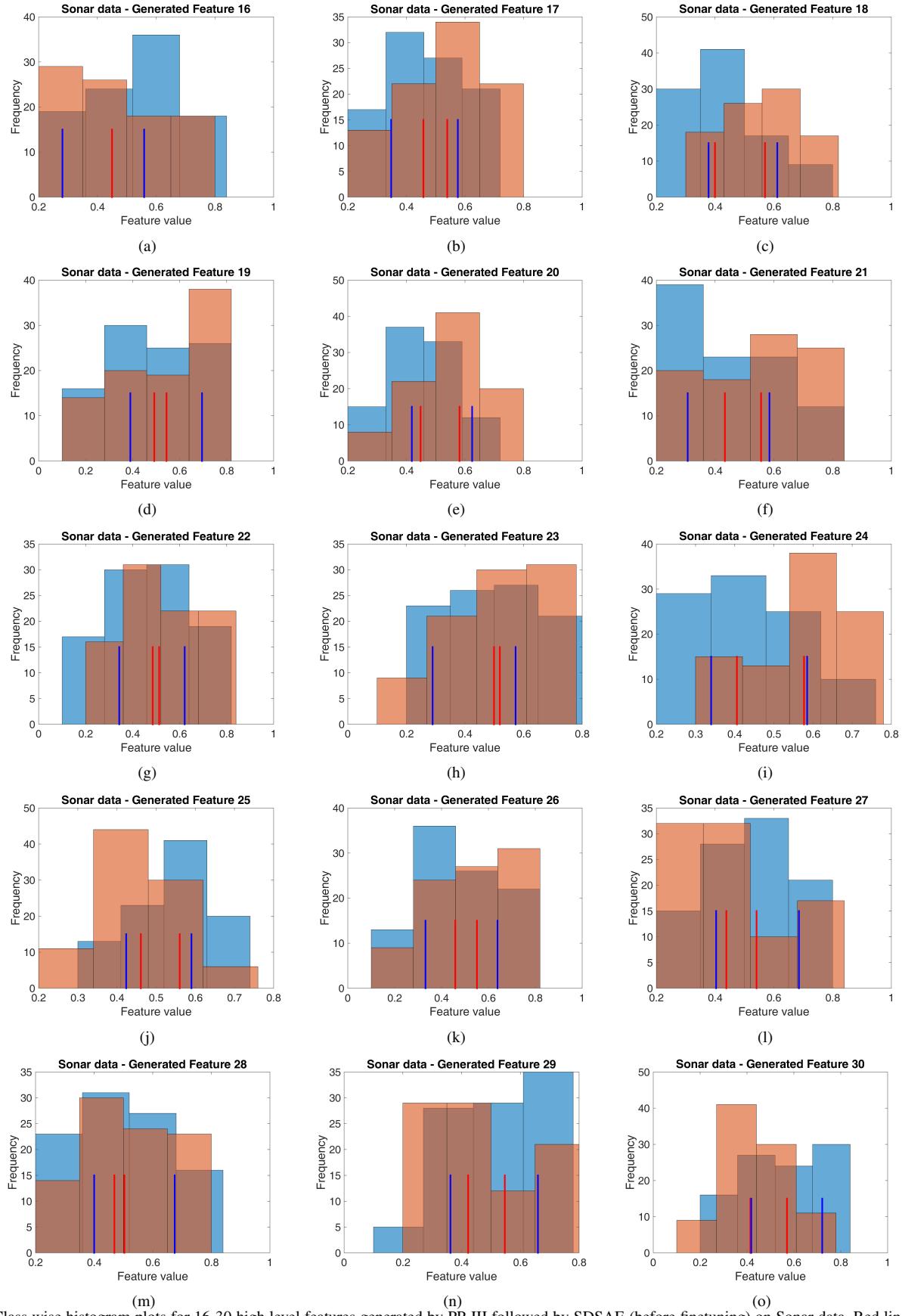


Fig. 8. Class wise histogram plots for 16-30 high level features generated by PP-III followed by SDSAE (before finetuning) on Sonar data. Red lines represent the individual medians of both classes as required in FT-I, and dotted blue lines represent the cluster centers found with EM based clustering

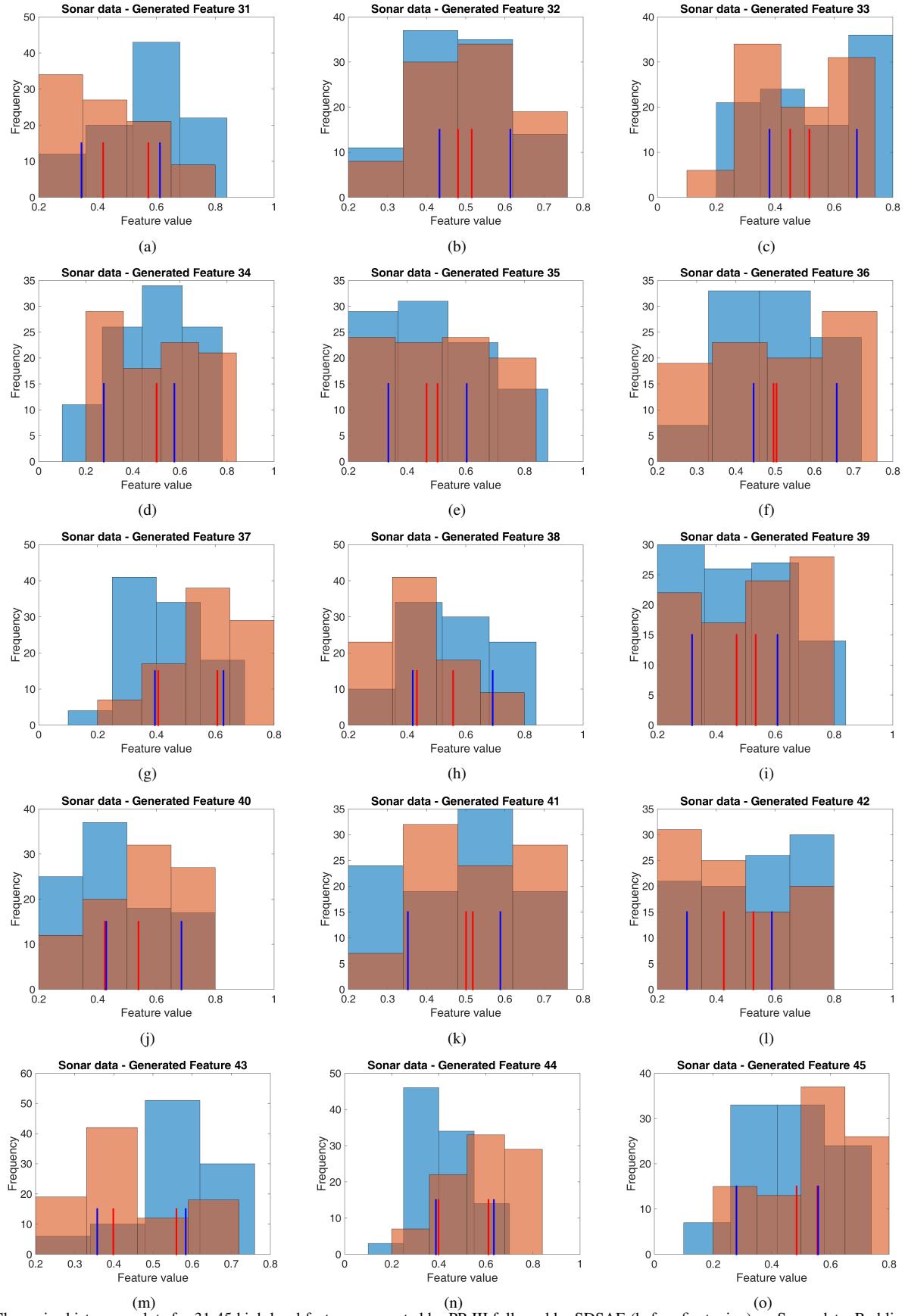


Fig. 9. Class wise histogram plots for 31-45 high level features generated by PP-III followed by SDSAE (before finetuning) on Sonar data. Red lines represent the individual medians of both classes as required in FT-I, and dotted blue lines represent the cluster centers found with EM based clustering

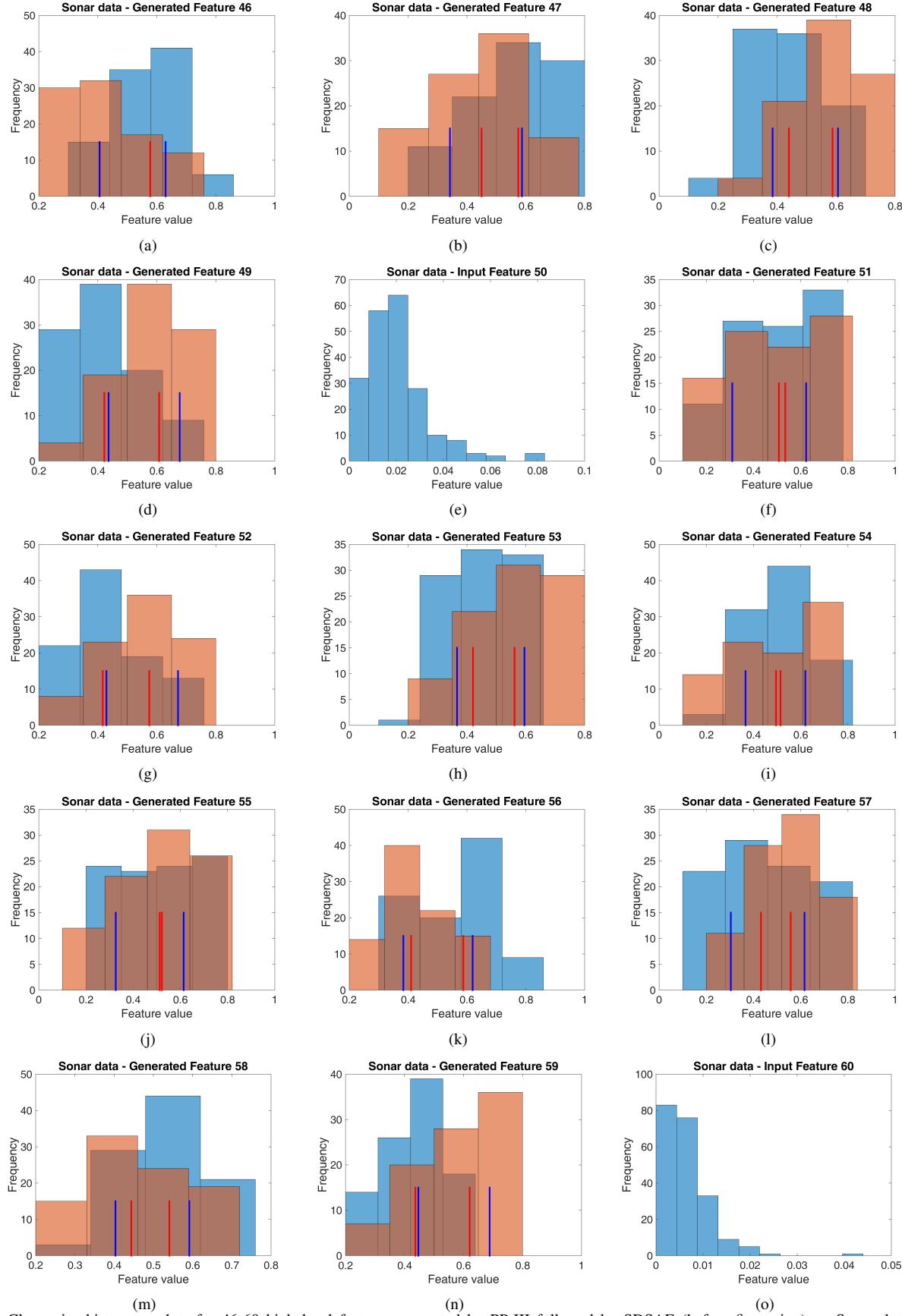


Fig. 10. Class wise histogram plots for 46-60 high level features generated by PP-III followed by SDSAE (before finetuning) on Sonar data. Red lines represent the individual medians of both classes as required in FT-I, and dotted blue lines represent the cluster centers found with EM based clustering

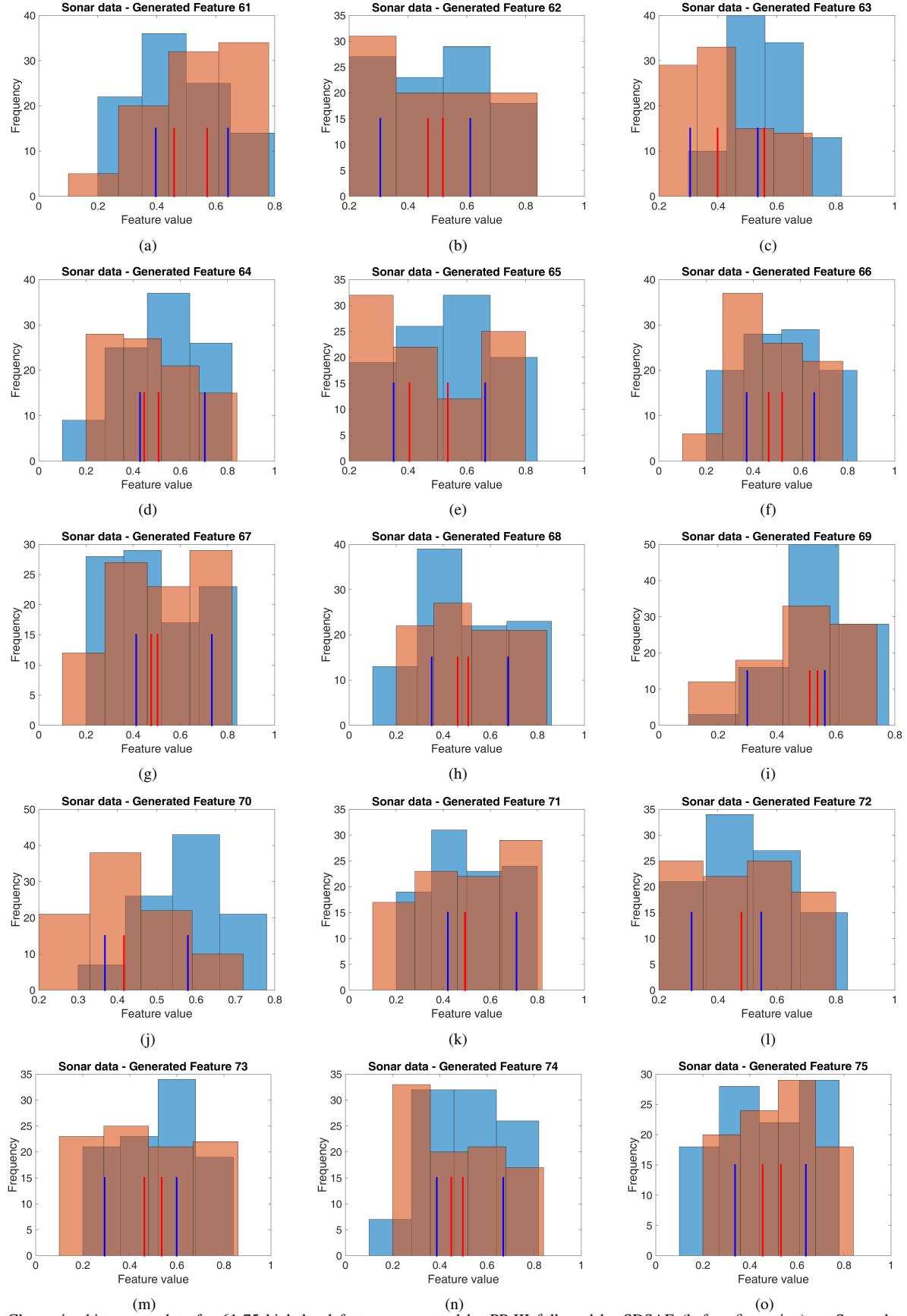


Fig. 11. Class wise histogram plots for 61-75 high level features generated by PP-III followed by SDSAE (before finetuning) on Sonar data. Red lines represent the individual medians of both classes as required in FT-I, and dotted blue lines represent the cluster centers found with EM based clustering

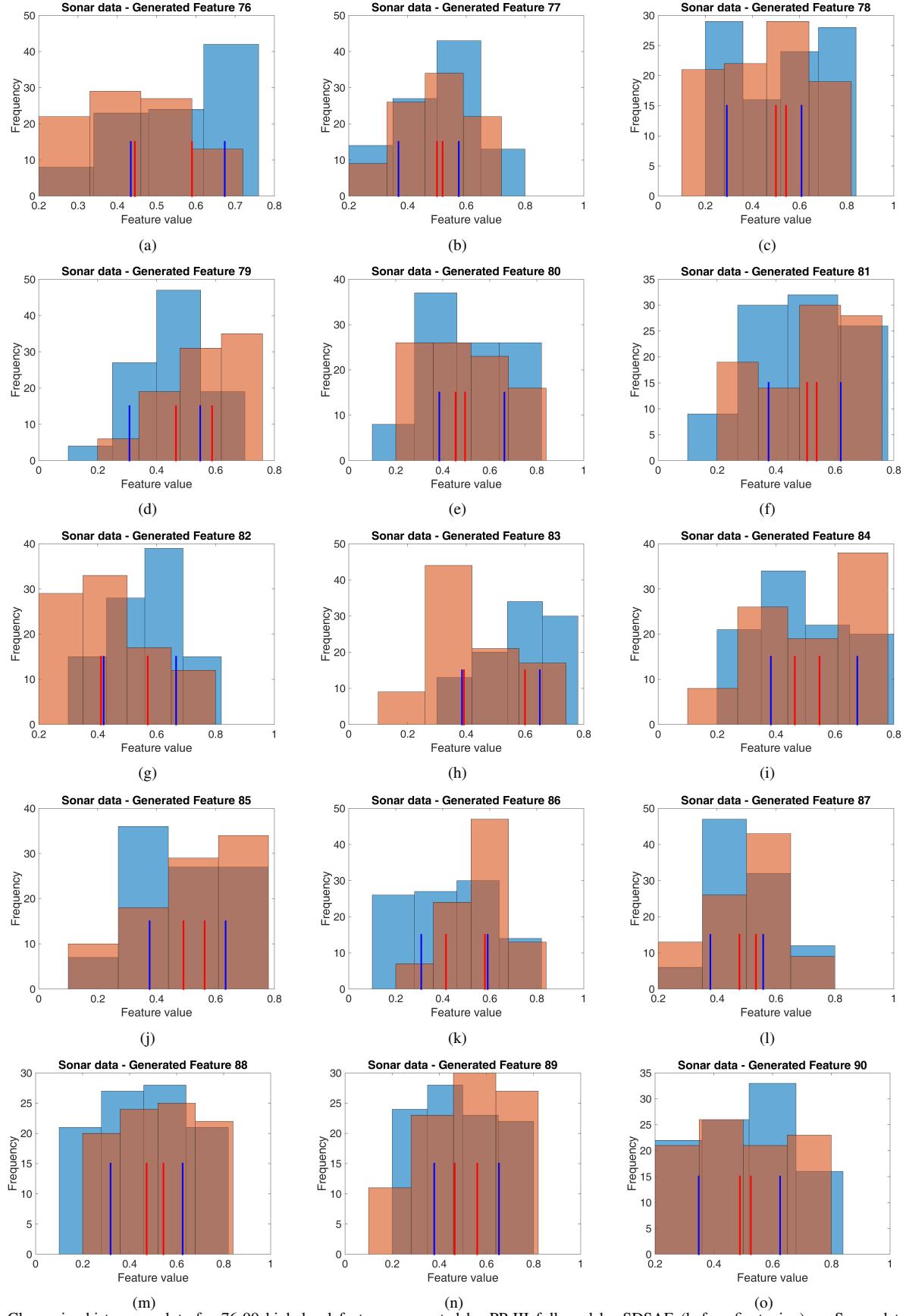


Fig. 12. Class wise histogram plots for 76-90 high level features generated by PP-III followed by SDSAE (before finetuning) on Sonar data. Red lines represent the individual medians of both classes as required in FT-I, and dotted blue lines represent the cluster centers found with EM based clustering