Differences in Expression Density and Molecular Weight of CR1-Like in Erythrocytes of Landrace Swine

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Table 1 and Table 2 are the raw data for the expression level and molecular weights of CR1-like on porcine erythrocytes.

Table 1 The MFI of stained porcine erythrocytes, blank control porcine erythrocytes and isotype control porcine erythrocytes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sequence numbers** | **Individual**  **Number** | **MFI of the experimental group (Each group repeated 3 times)** | | | **The average of three groups of MFI** | **MFI of the blank control group (Each group repeated 3 times)** | | | **The average of three groups of MFI** | **MFI of the isotype control group (Each group repeated 3 times)** | | | **The average of three groups of MFI** |
| **1** | **21** | **204.08** | **166.18** | **67.94** | **146.07** | **25.33** | **23.21** | **24.67** | **24.40** | **25.63** | **26.01** | **25.42** | **25.69** |
| **2** | **19** | **172.17** | **148.99** | **83.76** | **134.97** | **25.31** | **23.14** | **25.12** | **24.52** | **26.01** | **24.39** | **25.21** | **25.20** |
| **3** | **11** | **155.73** | **123.1** | **125.34** | **134.72** | **25.62** | **23.02** | **24.12** | **24.25** | **26.31** | **25.34** | **22.34** | **24.66** |
| **4** | **18** | **185.55** | **114.59** | **102.42** | **134.19** | **24.31** | **29.34** | **21.06** | **24.90** | **26.37** | **25.09** | **24.36** | **25.27** |
| **5** | **20** | **160.57** | **125.21** | **109.23** | **131.67** | **25.12** | **23.14** | **22.65** | **23.64** | **26.31** | **22.39** | **26.14** | **24.95** |
| **6** | **23** | **136.38** | **127.53** | **115.04** | **126.32** | **20.34** | **20.06** | **22.18** | **20.86** | **26.03** | **24.97** | **25.08** | **25.36** |
| **7** | **22** | **140.06** | **125.54** | **100.38** | **121.99** | **19.05** | **19.87** | **20.16** | **19.69** | **24.31** | **24.36** | **23.68** | **24.12** |
| **8** | **8** | **122.84** | **149.74** | **87.43** | **120.00** | **19.32** | **20.04** | **19.78** | **19.71** | **24.21** | **22.35** | **23.19** | **23.25** |
| **9** | **15** | **89.12** | **89.23** | **89.022** | **89.12** | **23.12** | **21.03** | **19.98** | **21.38** | **23.34** | **22.16** | **20.16** | **21.89** |
| **10** | **5** | **78.32** | **77.65** | **75.23** | **77.07** | **20.15** | **19.34** | **20.14** | **19.88** | **20.16** | **22.05** | **23.04** | **21.75** |
| **11** | **7** | **38.62** | **125.26** | **51.92** | **71.93** | **18.79** | **20.13** | **22.01** | **20.31** | **19.98** | **23.14** | **22.06** | **21.73** |
| **12** | **14** | **88.51** | **34.52** | **91.28** | **71.44** | **19.99** | **20.08** | **23.15** | **21.07** | **20.36** | **20.16** | **29.35** | **23.29** |
| **13** | **17** | **93.89** | **46.45** | **52.28** | **64.21** | **23.07** | **26.31** | **25.31** | **24.90** | **22.34** | **23.19** | **20.14** | **21.89** |
| **14** | **10** | **65.73** | **66.32** | **60.12** | **64.06** | **20.31** | **19.97** | **20.03** | **20.10** | **26.31** | **23.14** | **23.42** | **24.29** |
| **15** | **9** | **63.94** | **56.69** | **67.3** | **62.64** | **23.04** | **21.04** | **20.19** | **21.42** | **24.36** | **23.19** | **20.31** | **22.62** |
| **16** | **40** | **60.13** | **61.25** | **63.14** | **61.51** | **22.05** | **23.01** | **20.14** | **21.73** | **22.15** | **23.19** | **20.39** | **21.91** |
| **17** | **48** | **60.31** | **59.84** | **63.79** | **61.31** | **22.31** | **21.07** | **22.16** | **21.85** | **23.16** | **26.31** | **23.14** | **24.20** |
| **18** | **13** | **54.04** | **73.71** | **53.33** | **60.36** | **20.14** | **20.13** | **20.16** | **20.14** | **23.09** | **23.14** | **22.09** | **22.77** |
| **19** | **38** | **58.94** | **56.04** | **61.92** | **58.97** | **22.31** | **20.13** | **19.65** | **20.70** | **22.34** | **23.61** | **24.51** | **23.49** |
| **20** | **25** | **101.07** | **37.5** | **37.09** | **58.55** | **23.01** | **22.14** | **22.06** | **22.40** | **23.62** | **22.35** | **23.41** | **23.13** |
| **21** | **53** | **60.2** | **58.79** | **54.19** | **57.73** | **19.87** | **20.19** | **18.76** | **19.61** | **22.39** | **23.15** | **26.14** | **23.89** |
| **22** | **6** | **75.55** | **53.32** | **43.5** | **57.46** | **23.15** | **22.09** | **24.16** | **23.13** | **24.35** | **23.15** | **23.16** | **23.55** |
| **23** | **57** | **50.29** | **60.91** | **60.54** | **57.25** | **21.14** | **20.16** | **22.14** | **21.15** | **23.16** | **24.16** | **23.52** | **23.61** |
| **24** | **16** | **54.28** | **54.35** | **61.45** | **56.69** | **22.05** | **23.04** | **20.18** | **21.76** | **26.34** | **23.19** | **24.18** | **24.57** |
| **25** | **1** | **42.55** | **62.08** | **59.4** | **54.68** | **20.34** | **22.01** | **23.14** | **21.83** | **24.36** | **23.19** | **23.18** | **23.58** |
| **26** | **31** | **52.78** | **55.64** | **54.32** | **54.25** | **17.98** | **16.89** | **19.94** | **18.27** | **23.76** | **22.64** | **23.51** | **23.30** |
| **27** | **4** | **55.45** | **78.45** | **26.63** | **53.51** | **18.19** | **19.85** | **19.21** | **19.08** | **24.19** | **23.62** | **23.14** | **23.65** |
| **28** | **2** | **54.89** | **53.05** | **51.73** | **53.22** | **19.23** | **19.96** | **20.13** | **19.77** | **22.18** | **23.15** | **21.36** | **22.23** |
| **29** | **24** | **49.87** | **50.21** | **53.14** | **51.07** | **20.34** | **19.96** | **20.14** | **20.15** | **20.18** | **26.17** | **23.18** | **23.18** |
| **30** | **29** | **57.82** | **37.62** | **56.81** | **50.75** | **20.34** | **19.87** | **19.65** | **19.95** | **23.16** | **23.14** | **20.18** | **22.16** |
| **31** | **55** | **50.12** | **49.97** | **52.13** | **50.74** | **19.98** | **20.01** | **23.14** | **21.04** | **21.35** | **20.34** | **21.09** | **20.93** |
| **32** | **3** | **50.31** | **49.79** | **51.24** | **50.45** | **19.96** | **20.01** | **20.04** | **20.00** | **20.31** | **23.16** | **22.34** | **21.94** |
| **33** | **59** | **43.65** | **56.21** | **51.32** | **50.39** | **19.97** | **18.96** | **19.97** | **19.63** | **22.37** | **22.51** | **23.18** | **22.69** |
| **34** | **30** | **31.64** | **32.45** | **55.23** | **39.77** | **20.01** | **20.04** | **19.86** | **19.97** | **23.67** | **25.13** | **20.07** | **22.96** |
| **35** | **39** | **26.64** | **35.78** | **52.42** | **38.28** | **20.34** | **19.97** | **20.06** | **20.12** | **23.08** | **22.19** | **23.07** | **22.78** |
| **36** | **35** | **28.51** | **42.69** | **36.18** | **35.79** | **19.86** | **19.92** | **20.31** | **20.03** | **23.17** | **22.38** | **20.17** | **21.91** |
| **37** | **58** | **26.48** | **28.51** | **49.48** | **34.82** | **17.34** | **18.62** | **19.86** | **18.61** | **23.17** | **21.07** | **23.14** | **22.46** |
| **38** | **50** | **41.81** | **34.13** | **28.5** | **34.81** | **20.01** | **19.65** | **17.35** | **19.00** | **22.51** | **23.64** | **21.37** | **22.51** |
| **39** | **49** | **34.28** | **32.9** | **36.55** | **34.58** | **18.62** | **17.32** | **17.88** | **17.94** | **20.39** | **22.17** | **23.15** | **21.90** |
| **40** | **37** | **31.67** | **34.15** | **37.2** | **34.34** | **16.39** | **17.68** | **19.24** | **17.77** | **21.09** | **22.17** | **23.17** | **22.14** |
| **41** | **56** | **31.21** | **37.09** | **33.6** | **33.97** | **18.65** | **19.34** | **19.34** | **19.11** | **23.17** | **23.19** | **20.17** | **22.18** |
| **42** | **28** | **30.25** | **37.86** | **33.68** | **33.93** | **19.32** | **18.24** | **18.69** | **18.75** | **23.64** | **20.31** | **23.15** | **22.37** |
| **43** | **26** | **37.99** | **41.02** | **22.09** | **33.70** | **18.24** | **19.25** | **19.34** | **18.94** | **21.45** | **20.17** | **22.16** | **21.26** |
| **44** | **46** | **31.65** | **30.67** | **38.35** | **33.56** | **18.23** | **18.65** | **18.64** | **18.51** | **22.34** | **23.07** | **20.17** | **21.86** |
| **45** | **36** | **33.15** | **32.58** | **34.37** | **33.37** | **18.69** | **17.28** | **19.98** | **18.65** | **24.17** | **22.19** | **23.64** | **23.33** |
| **46** | **52** | **36.88** | **28.55** | **31.91** | **32.45** | **19.36** | **18.97** | **18.57** | **18.97** | **22.08** | **20.18** | **24.09** | **22.12** |
| **47** | **27** | **36.02** | **25.61** | **35.09** | **32.24** | **19.21** | **19.32** | **19.34** | **19.29** | **20.18** | **23.19** | **20.34** | **21.24** |
| **48** | **51** | **33.78** | **31.46** | **29.43** | **31.56** | **17.01** | **17.25** | **19.34** | **17.87** | **20.16** | **23.14** | **22.19** | **21.83** |
| **49** | **44** | **28.06** | **35.06** | **30.58** | **31.23** | **19.25** | **18.34** | **19.34** | **18.98** | **22.34** | **26.38** | **23.18** | **23.97** |
| **50** | **54** | **35.06** | **26.32** | **31.83** | **31.07** | **19.35** | **17.68** | **17.23** | **18.09** | **20.19** | **23.17** | **22.18** | **21.85** |
| **51** | **60** | **24.28** | **39.33** | **29.46** | **31.02** | **16.34** | **16.59** | **16.98** | **16.64** | **22.15** | **21.39** | **22.37** | **21.97** |
| **52** | **47** | **33.16** | **26.09** | **30.52** | **29.92** | **16.02** | **16.31** | **15.99** | **16.11** | **23.34** | **22.16** | **23.18** | **22.89** |
| **53** | **12** | **23.5** | **32.38** | **30.9** | **28.93** | **15.21** | **16.09** | **15.34** | **15.55** | **20.13** | **20.16** | **22.15** | **20.81** |
| **54** | **57** | **27.98** | **28.684** | **28.86** | **28.51** | **14.99** | **15.97** | **19.01** | **16.66** | **22.31** | **21.04** | **23.16** | **22.17** |
| **55** | **42** | **28.91** | **28.61** | **27.99** | **28.50** | **17.38** | **19.62** | **19.24** | **18.75** | **19.21** | **22.01** | **23.01** | **21.41** |

Table 2 The results of CR1-like protein by SDS-PAGE under reduced conditions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sequence numbers** | **Individual**  **Number** | **a(KDa)** | **b(KDa)** | **c (KDa)** | **The total band size（KDa）** |
| **1** | **21** | **71.75** | **49.02** | **19.45** | **140.22** |
| **2** | **10** | **73.76** | **46.82** | **18.69** | **139.26** |
| **3** | **31** | **71.43** | **48.34** | **19.19** | **138.96** |
| **4** | **14** | **73.46** | **47.28** | **18** | **138.75** |
| **5** | **19** | **71.69** | **51.05** | **15.79** | **138.53** |
| **6** | **11** | **72.26** | **47.29** | **18.5** | **138.05** |
| **7** | **20** | **72.97** | **46.72** | **17.71** | **137.4** |
| **8** | **22** | **74.41** | **45.91** | **16.93** | **137.25** |
| **9** | **18** | **70.84** | **45.59** | **19.05** | **135.49** |
| **10** | **8** | **70.25** | **50.13** | **16.21** | **136.59** |
| **11** | **38** | **70.14** | **49.87** | **15.69** | **135.7** |
| **12** | **15** | **70.31** | **51.21** | **15.23** | **136.75** |
| **13** | **33** | **70.19** | **50.14** | **14.96** | **135.29** |
| **14** | **6** | **71.43** | **51.14** | **14.21** | **136.78** |
| **15** | **16** | **70.36** | **51.36** | **14.34** | **136.06** |
| **16** | **2** | **73.21** | **48.62** | **15.61** | **137.44** |
| **17** | **17** | **71.24** | **49.73** | **14.98** | **135.95** |
| **18** | **43** | **71.21** | **49.98** | **14.24** | **135.43** |
| **19** | **55** | **70.54** | **50.24** | **15.37** | **136.15** |
| **20** | **7** | **70.26** | **53.14** | **14.54** | **137.94** |
| **21** | **48** | **73.52** | **52.64** | **15.06** | **141.22** |
| **22** | **35** | **71.18** | **50.16** | **15.35** | **136.69** |
| **23** | **24** | **70.39** | **53.27** | **15.64** | **139.3** |
| **24** | **26** | **70.34** | **54.36** | **15.26** | **139.96** |
| **25** | **3** | **73.14** | **53.24** | **13.87** | **140.25** |
| **26** | **25** | **71.36** | **52.64** | **16.87** | **140.87** |
| **27** | **39** | **70.21** | **51** | **13.98** | **135.19** |
| **28** | **27** | **70.37** | **50.34** | **15.34** | **136.05** |
| **29** | **29** | **70.34** | **52.11** | **14.98** | **137.43** |
| **30** | **37** | **71.31** | **52.14** | **13.06** | **136.51** |
| **31** | **28** | **72.34** | **50.13** | **15.03** | **137.5** |
| **32** | **12** | **70.24** | **49.87** | **14.98** | **135.09** |
| **33** | **23** | **71.23** | **50.13** | **15.03** | **136.39** |
| **34** | **30** | **69.98** | **51.34** | **15.42** | **136.74** |
| **35** | **52** | **70** | **48.97** | **14.98** | **133.95** |
| **36** | **51** | **69.79** | **50.03** | **15.03** | **134.85** |
| **37** | **44** | **70.31** | **50.21** | **14.67** | **135.19** |
| **38** | **50** | **69.31** | **48.79** | **14.77** | **132.87** |
| **39** | **56** | **69.79** | **48.99** | **14.98** | **133.76** |
| **40** | **53** | **68.46** | **50.01** | **15.01** | **133.48** |
| **41** | **58** | **69.34** | **47.32** | **13.98** | **130.64** |
| **42** | **42** | **70.24** | **48.16** | **14.89** | **133.29** |
| **43** | **5** | **70.85** | **50.12** |  | **120.97** |
| **44** | **13** | **72.25** | **51.24** |  | **123.49** |
| **45** | **4** | **71.56** | **53.12** |  | **124.68** |
| **46** | **9** | **70.13** | **50.24** |  | **120.37** |
| **47** | **1** | **71.14** | **52.16** |  | **123.3** |
| **48** | **57** | **73.15** | **50.24** |  | **123.39** |
| **49** | **41** | **72.54** | **54.02** |  | **126.56** |
| **50** | **40** | **75.34** | **53.41** |  | **128.75** |
| **51** | **36** | **71.54** |  | **15.23** | **86.77** |
| **52** | **46** | **70.23** |  | **15.01** | **85.24** |
| **53** | **47** | **69.89** |  | **14.39** | **84.28** |
| **54** | **49** | **70.34** |  | **14.42** | **84.76** |
| **55** | **54** | **70.04** |  | **15.31** | **85.35** |