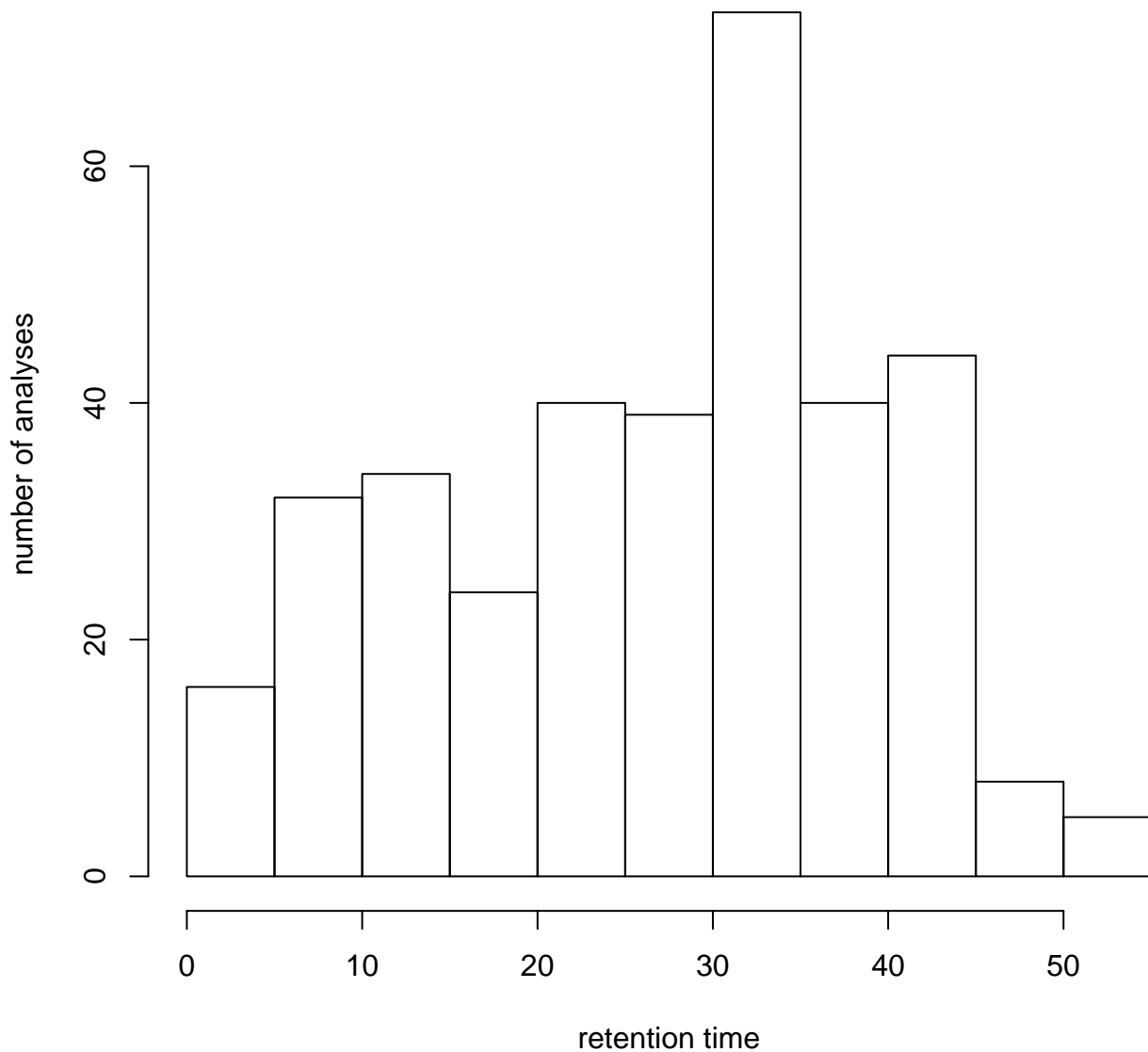


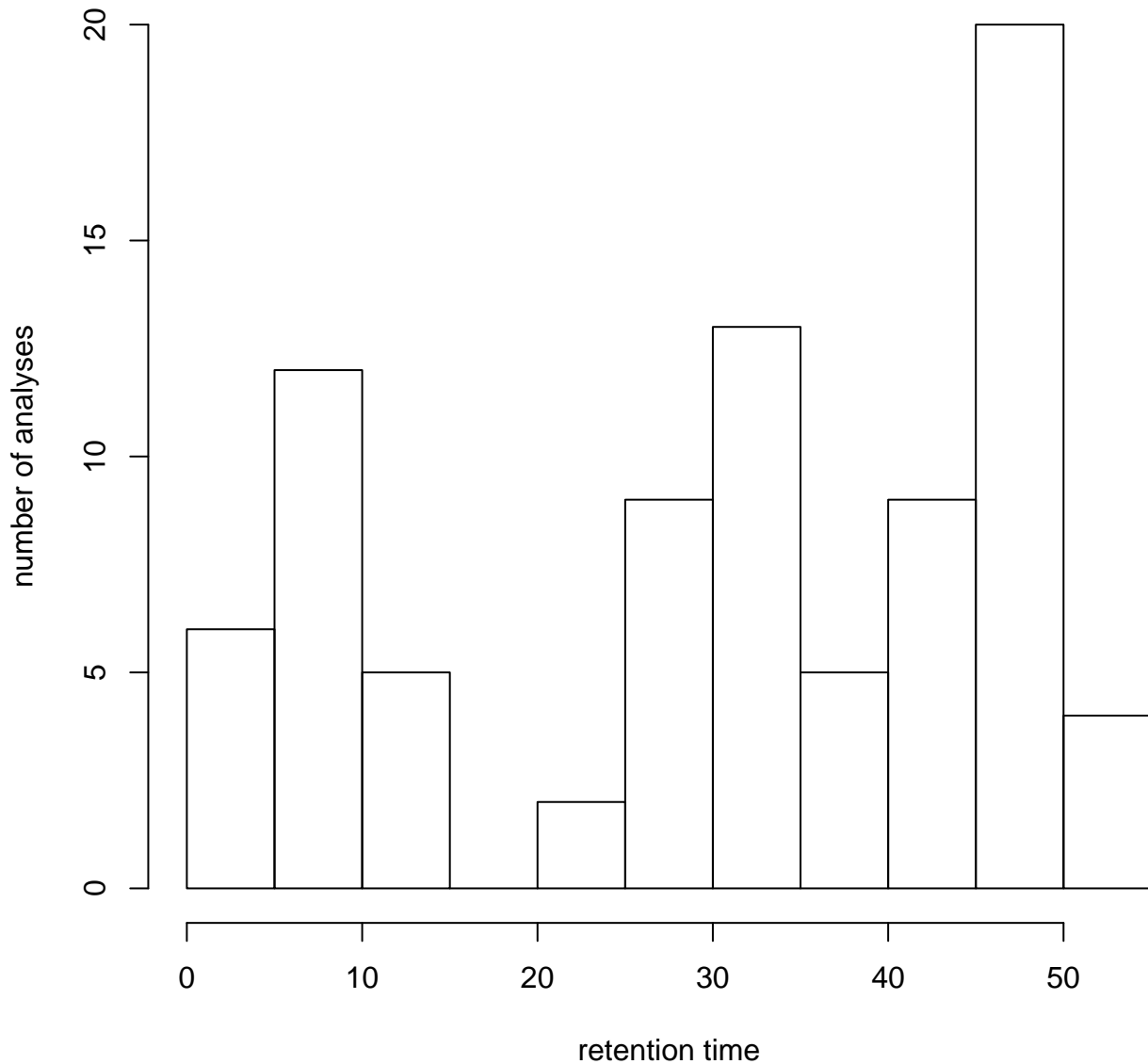
Distribution of retention time for the cluster 1

mean retention time = 26.855 ; range of retention times = 50.438



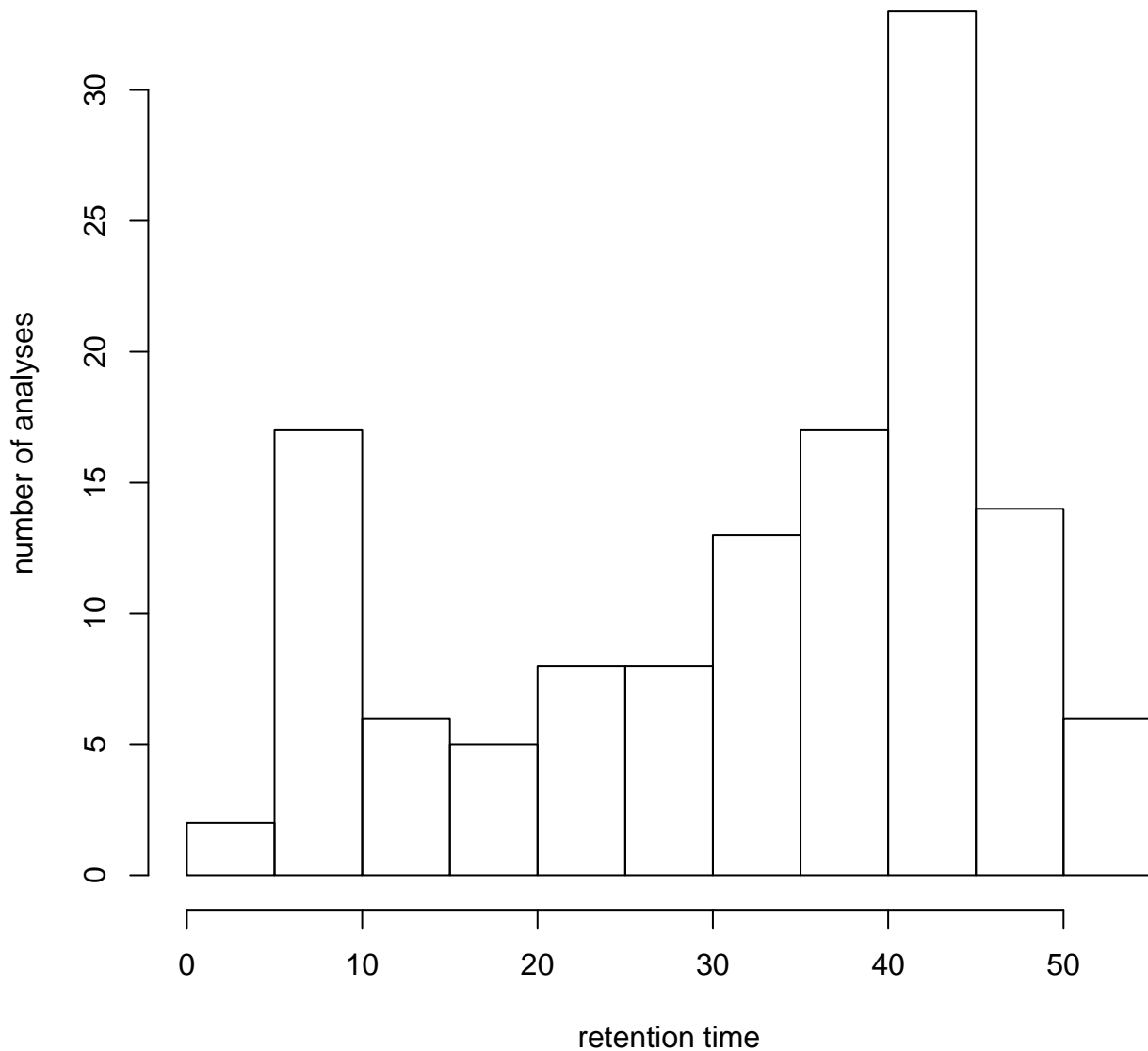
Distribution of retention time for the cluster 2

mean retention time = 30.879 ; range of retention times = 45.636



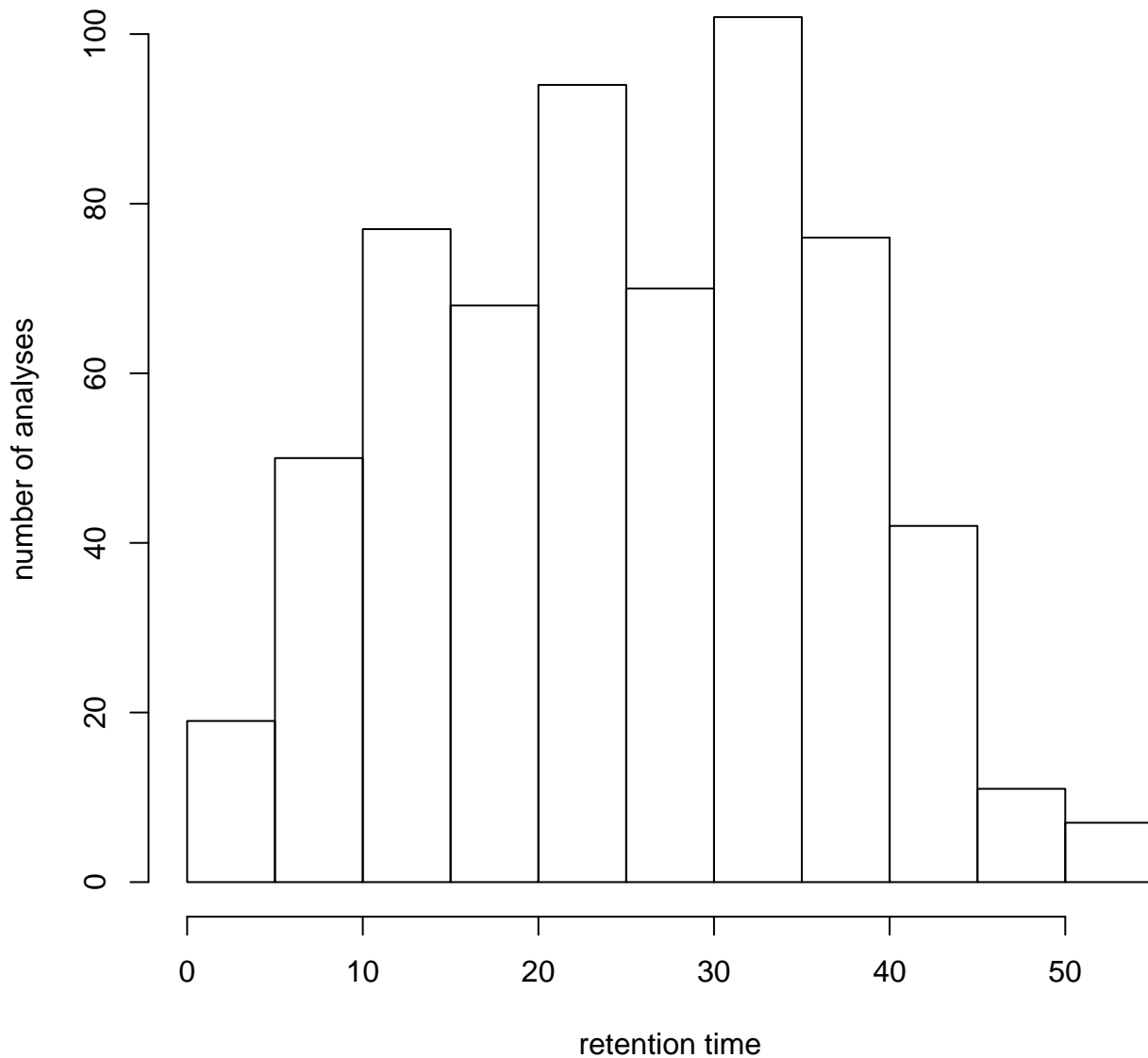
Distribution of retention time for the cluster 3

mean retention time = 32.061 ; range of retention times = 47.177



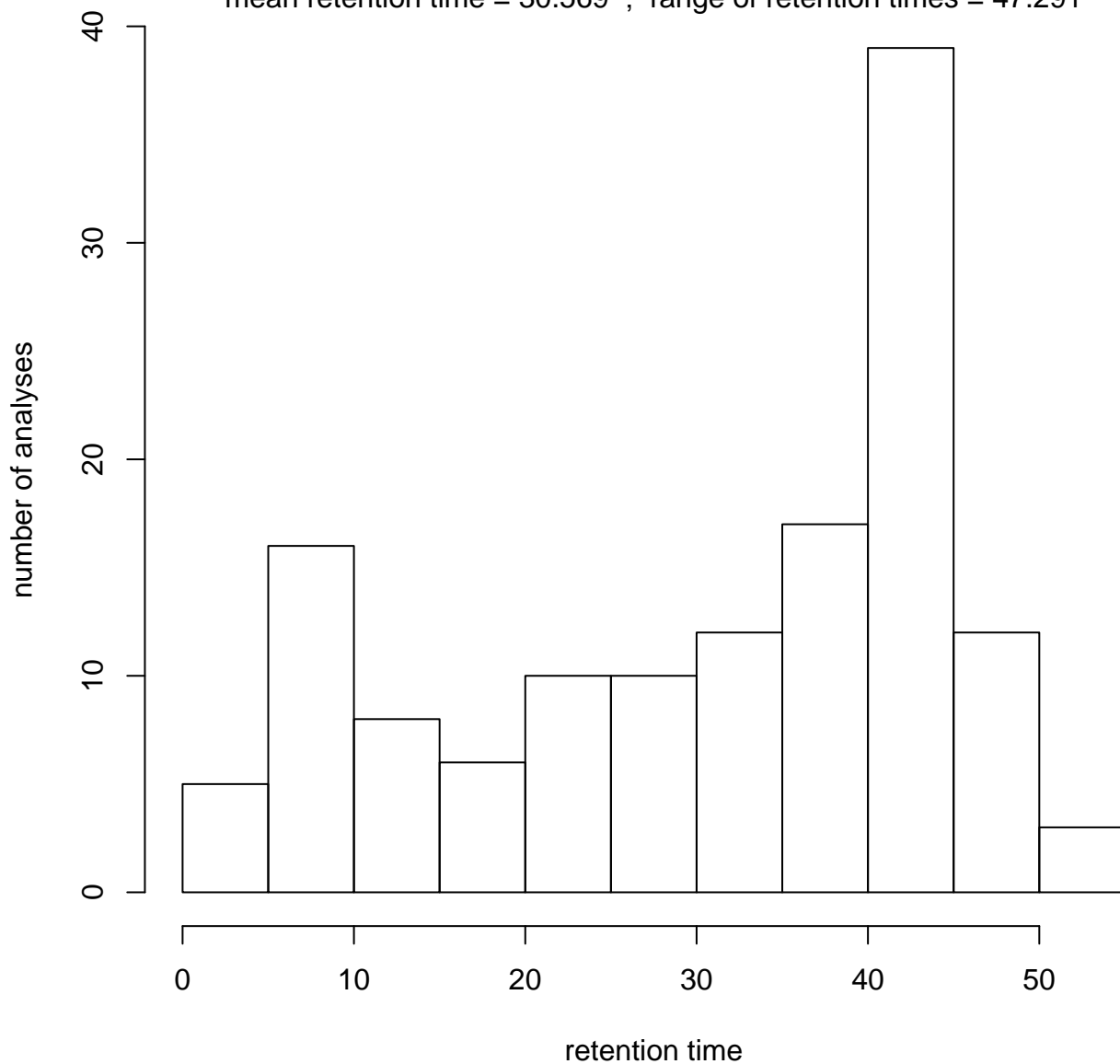
Distribution of retention time for the cluster 4

mean retention time = 25.374 ; range of retention times = 52.758



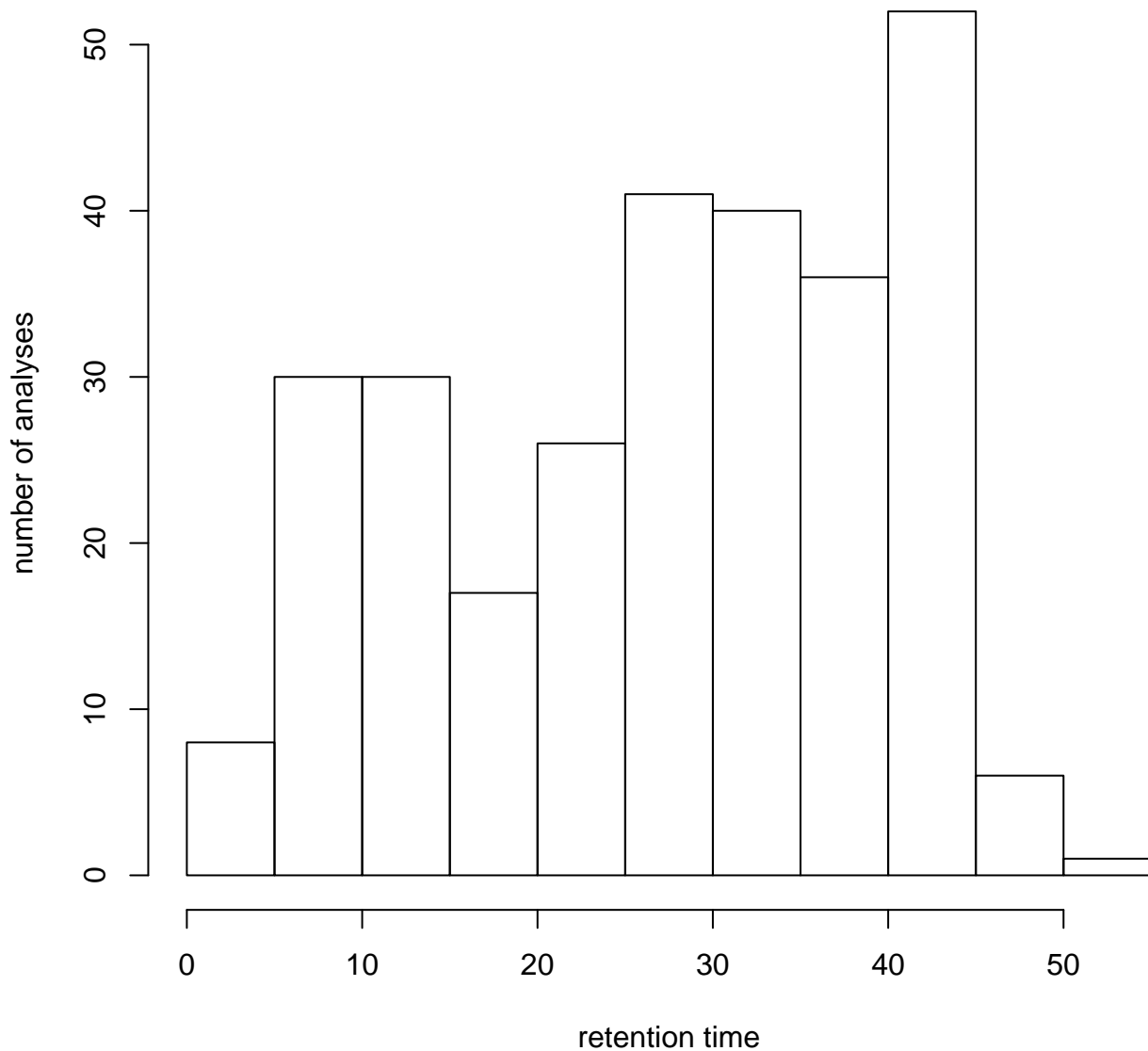
Distribution of retention time for the cluster 5

mean retention time = 30.569 ; range of retention times = 47.291



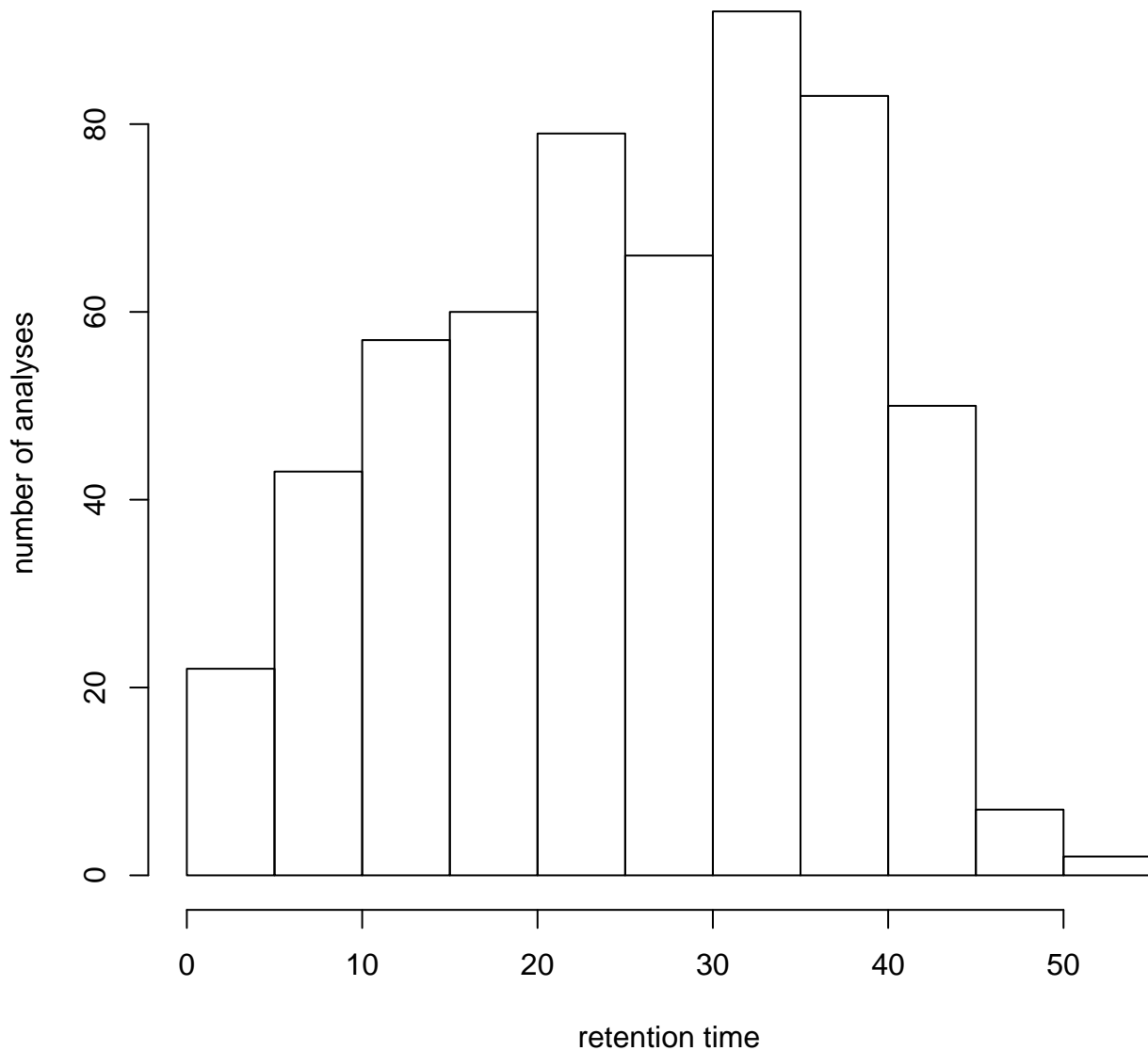
Distribution of retention time for the cluster 6

mean retention time = 27.112 ; range of retention times = 49.567



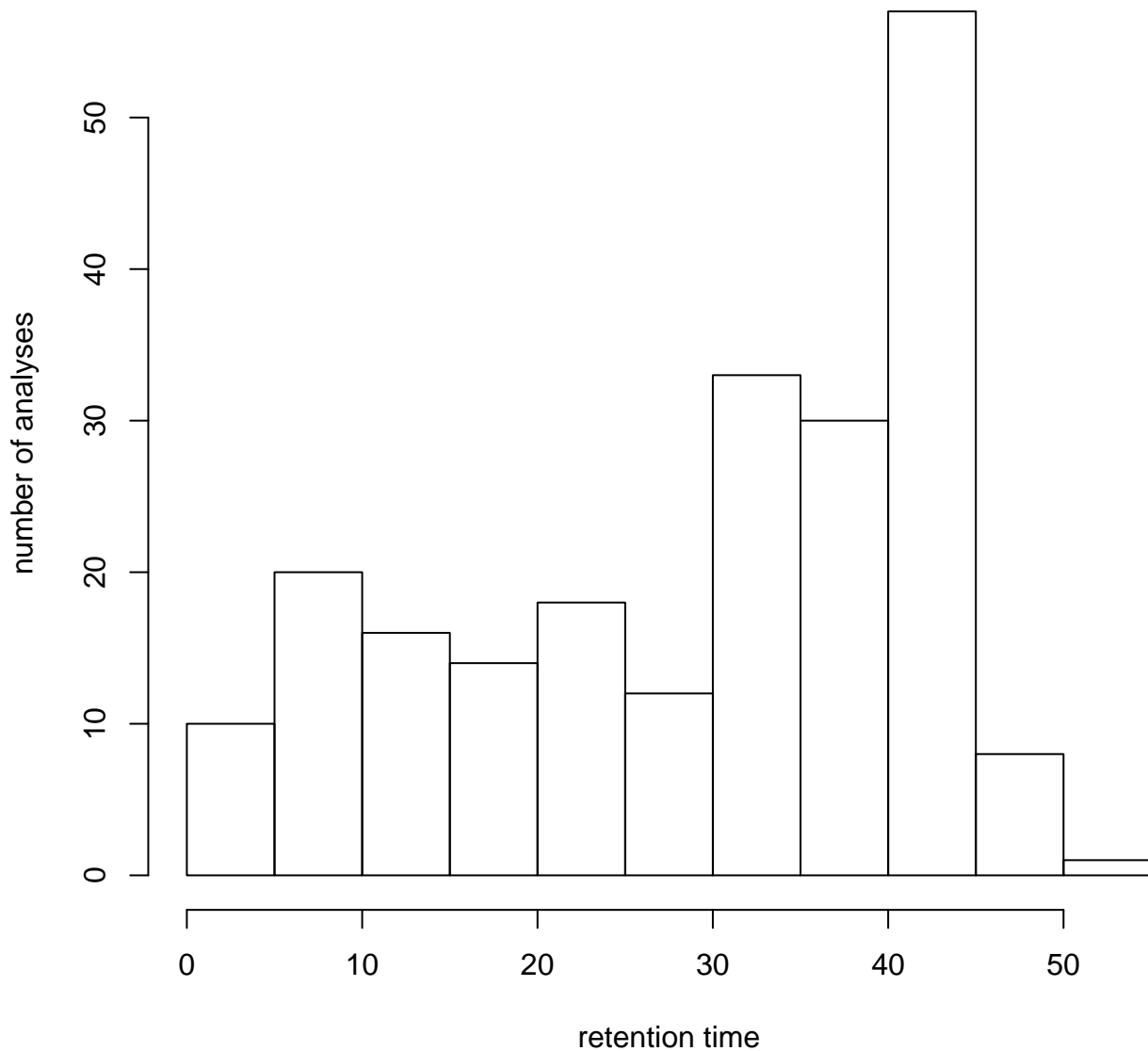
Distribution of retention time for the cluster 7

mean retention time = 25.851 ; range of retention times = 50.947



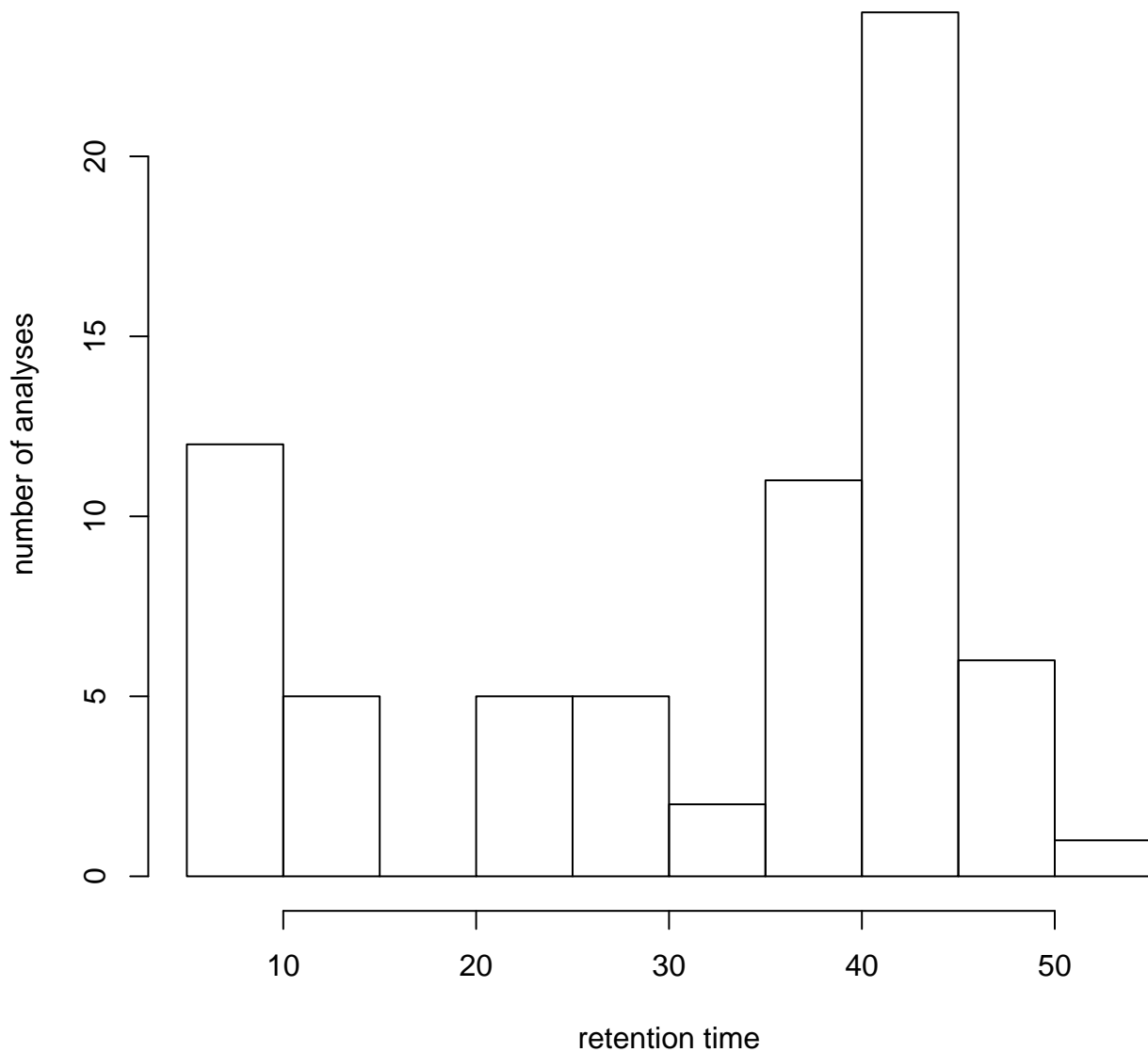
Distribution of retention time for the cluster 8

mean retention time = 29.212 ; range of retention times = 48.128



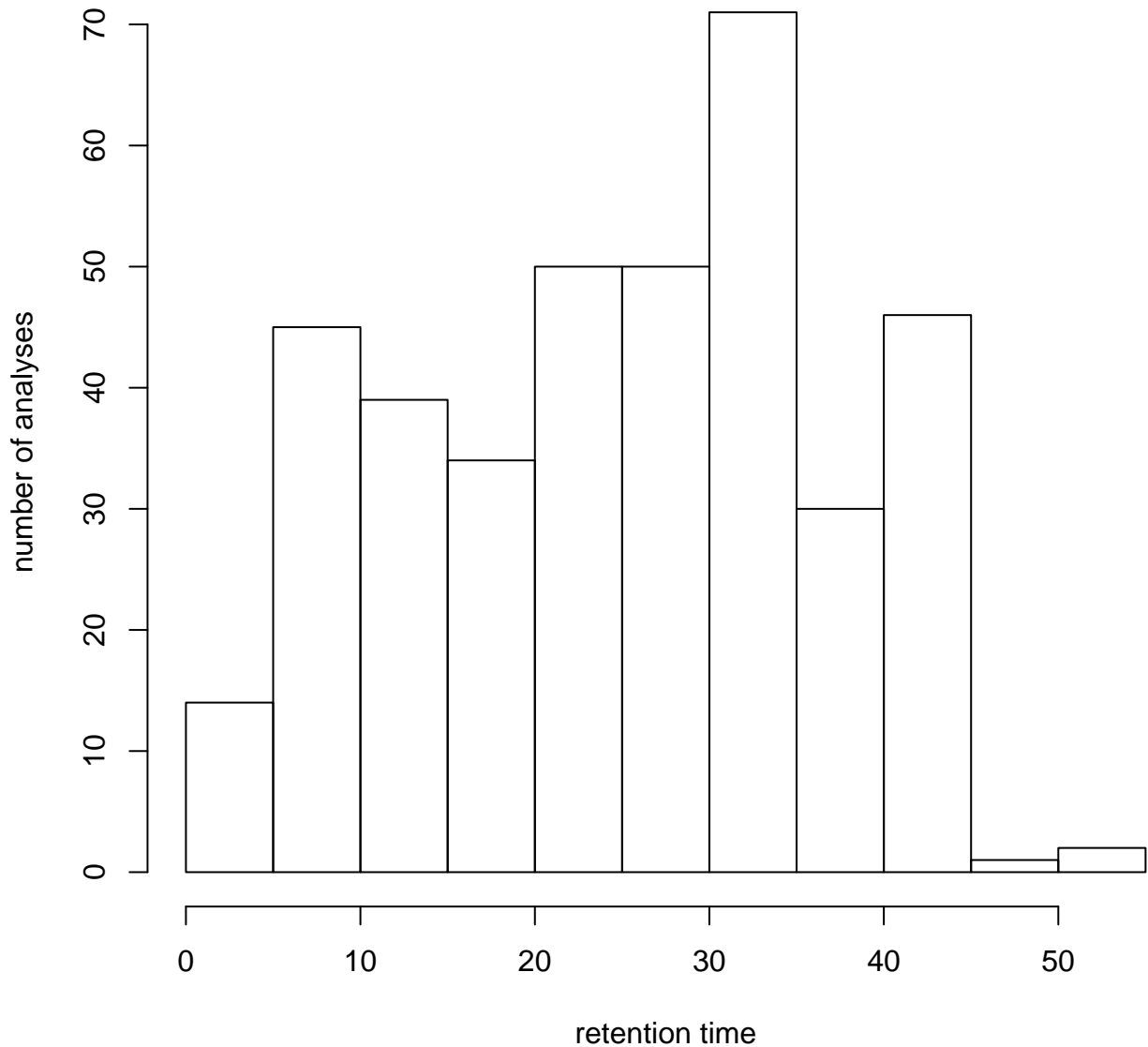
Distribution of retention time for the cluster 9

mean retention time = 31.226 ; range of retention times = 45.116



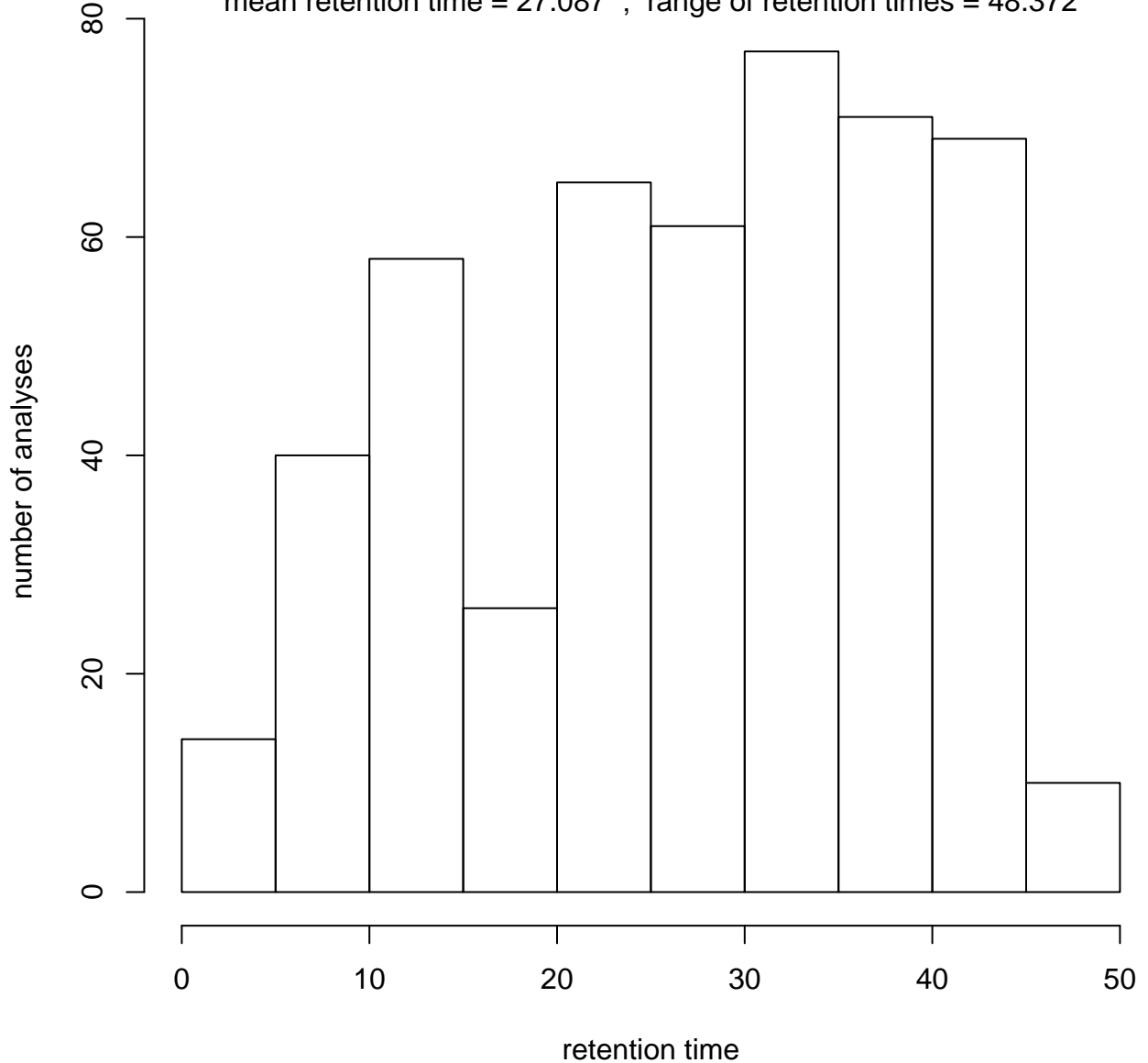
Distribution of retention time for the cluster 10

mean retention time = 25.134 ; range of retention times = 49.692



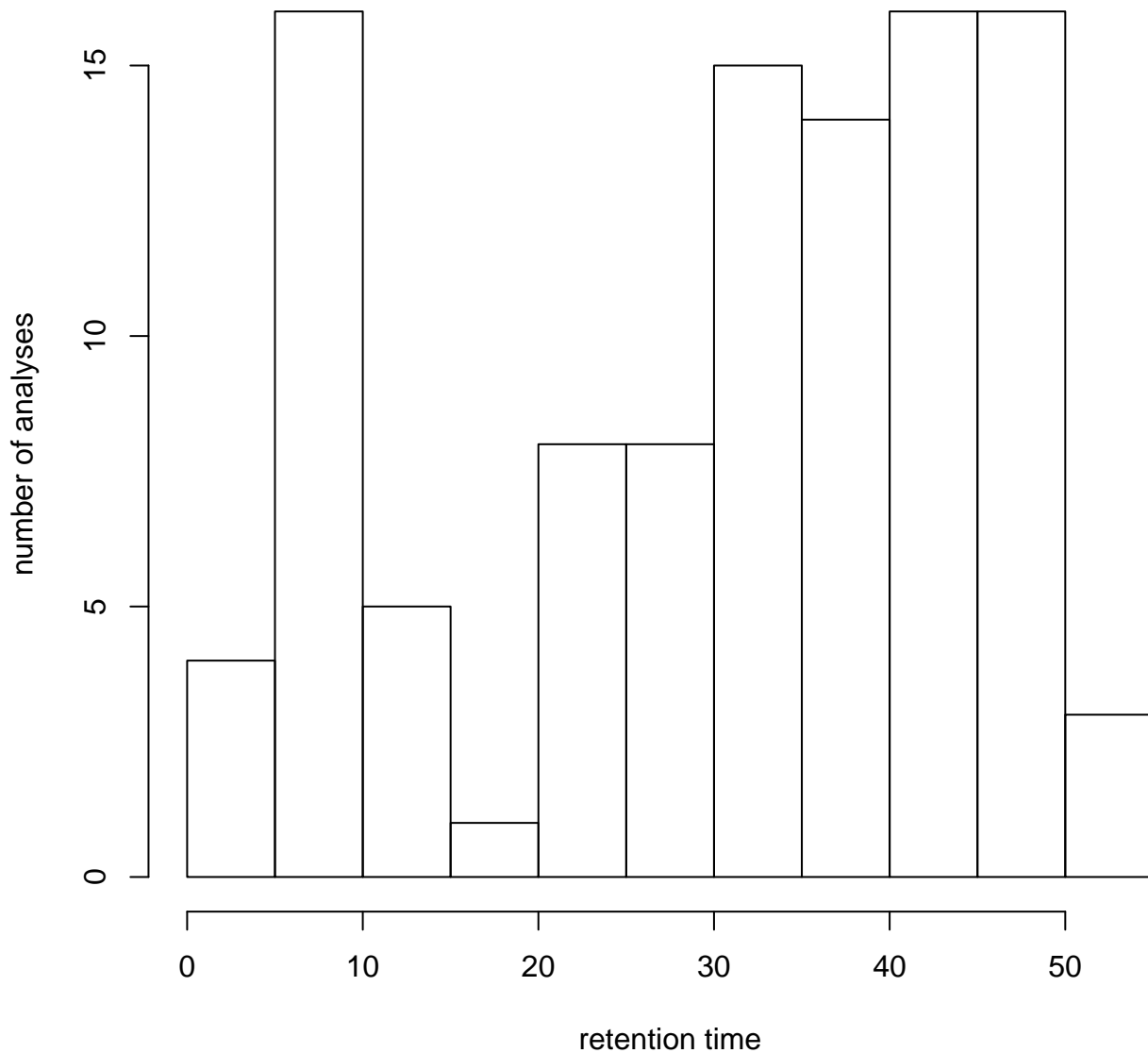
Distribution of retention time for the cluster 11

mean retention time = 27.087 ; range of retention times = 48.372



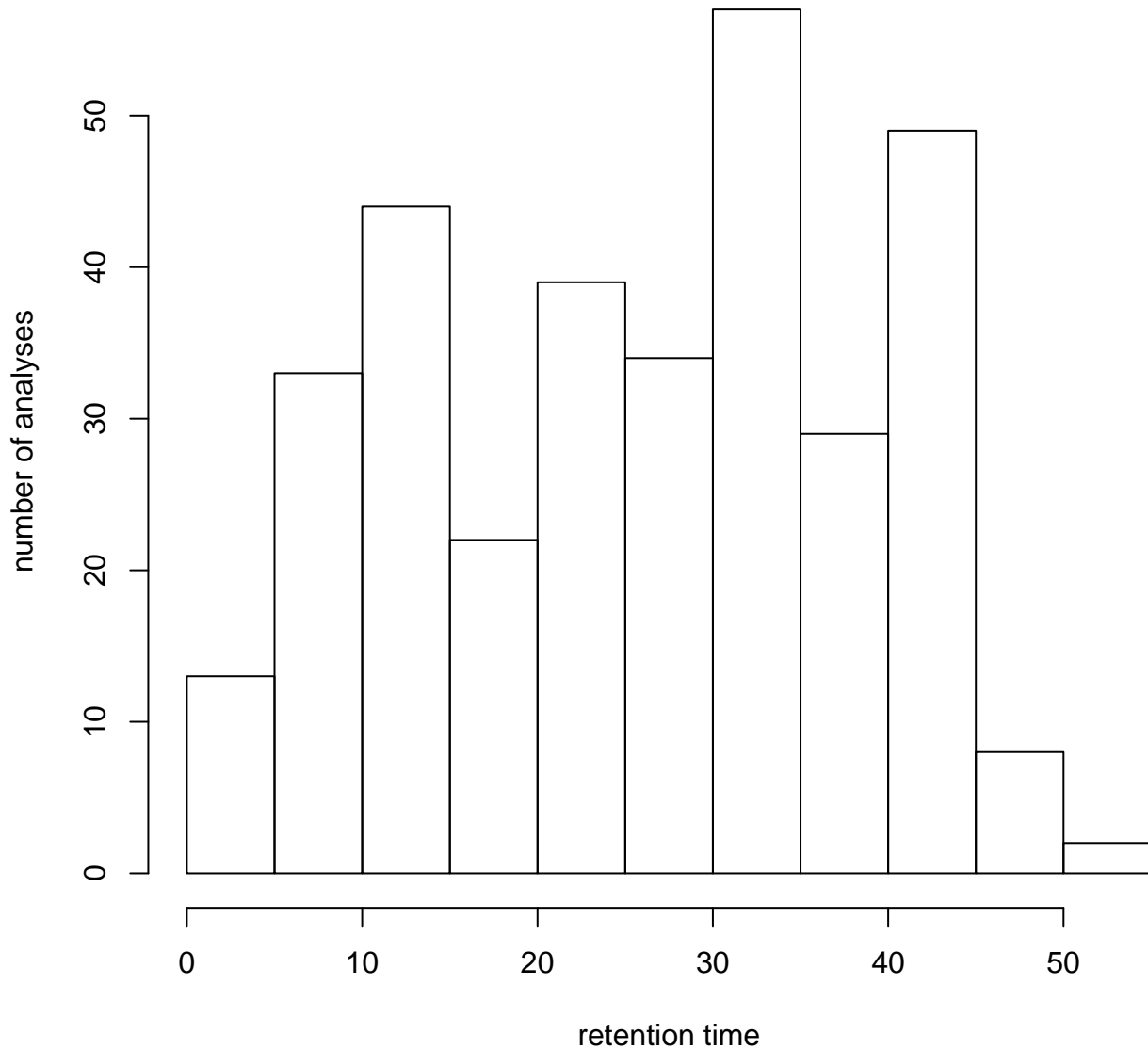
Distribution of retention time for the cluster 12

mean retention time = 30.491 ; range of retention times = 45.588



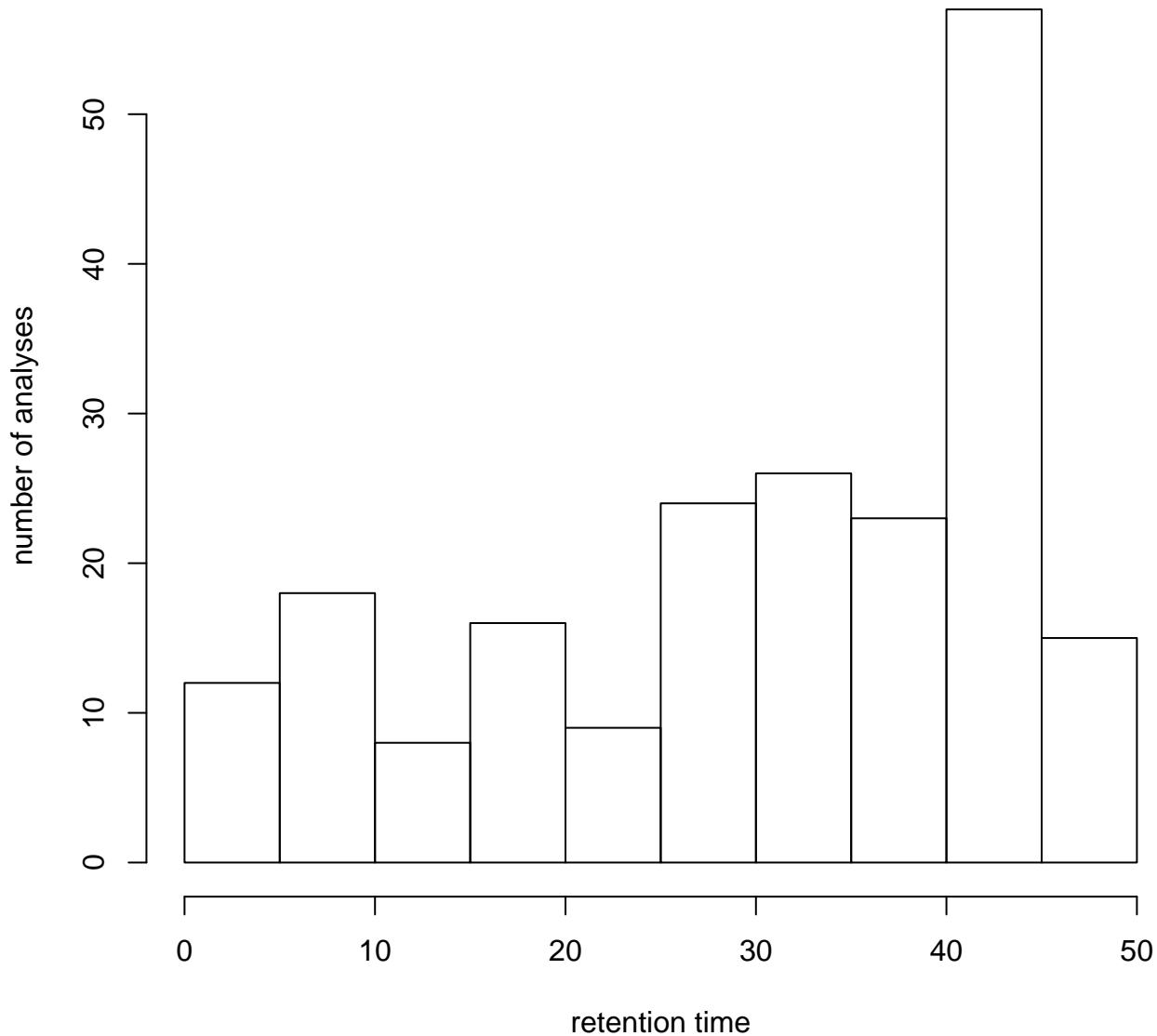
Distribution of retention time for the cluster 13

mean retention time = 26.048 ; range of retention times = 48.508



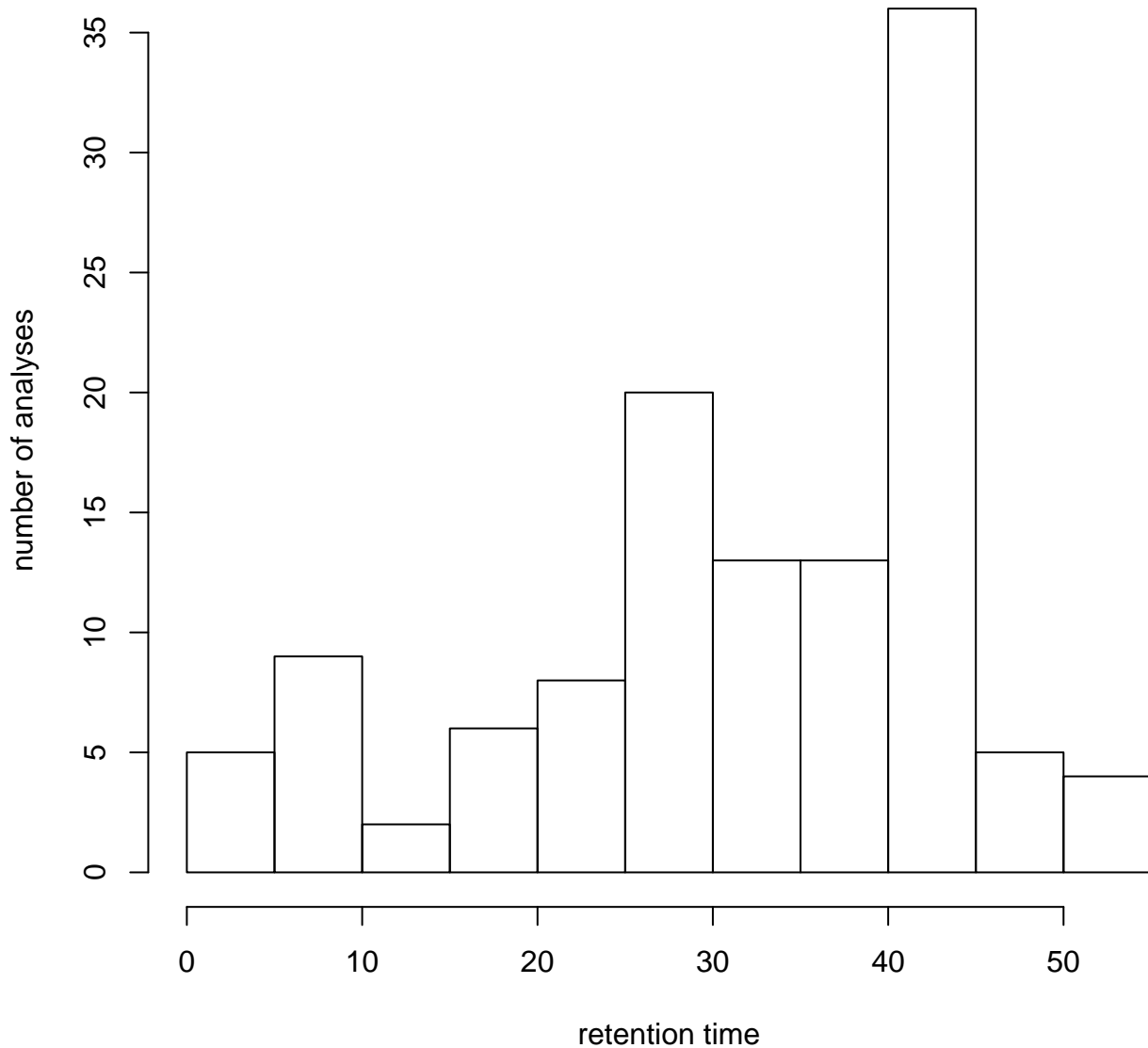
Distribution of retention time for the cluster 14

mean retention time = 30.101 ; range of retention times = 47.792



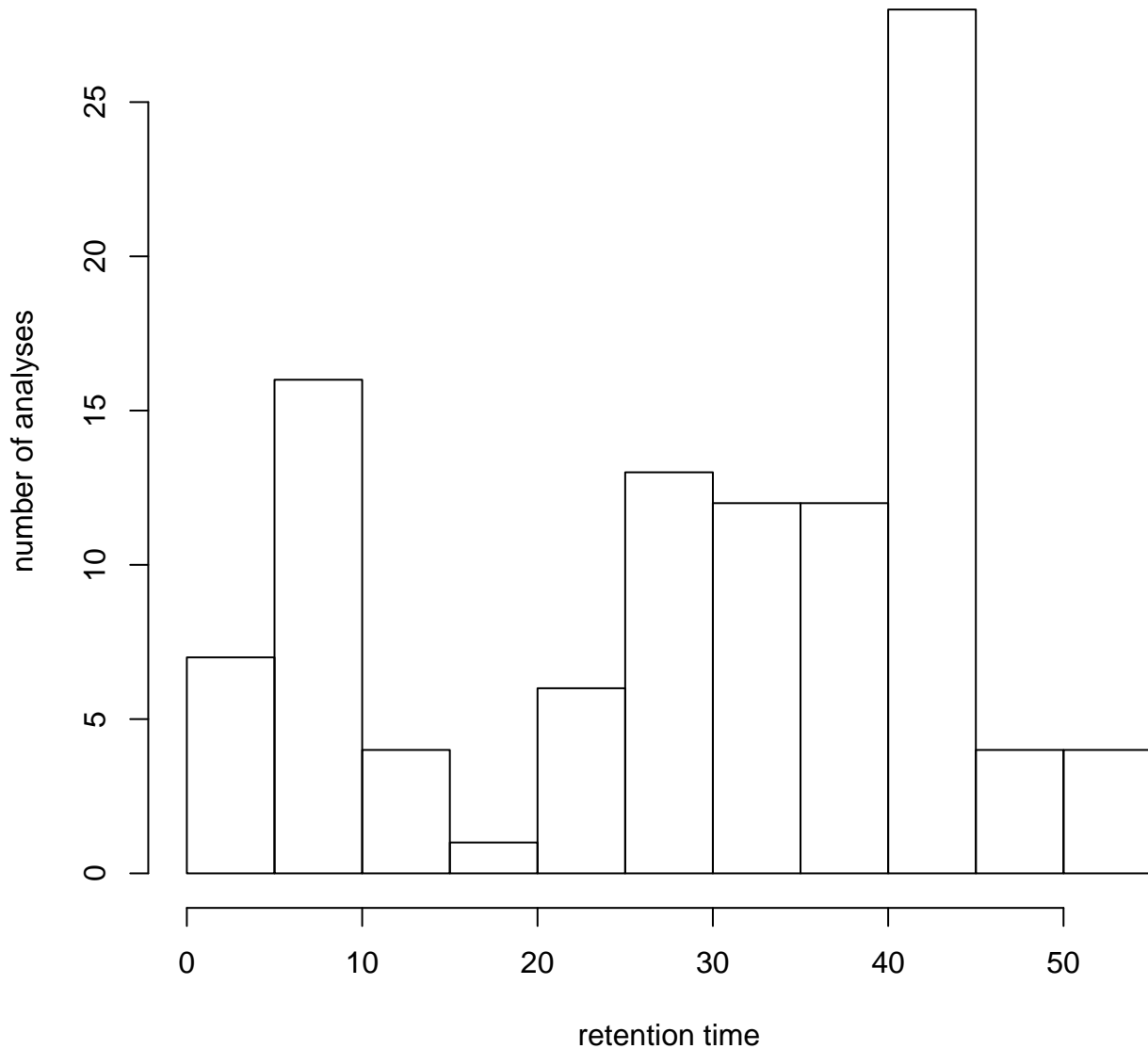
Distribution of retention time for the cluster 15

mean retention time = 31.602 ; range of retention times = 49.993



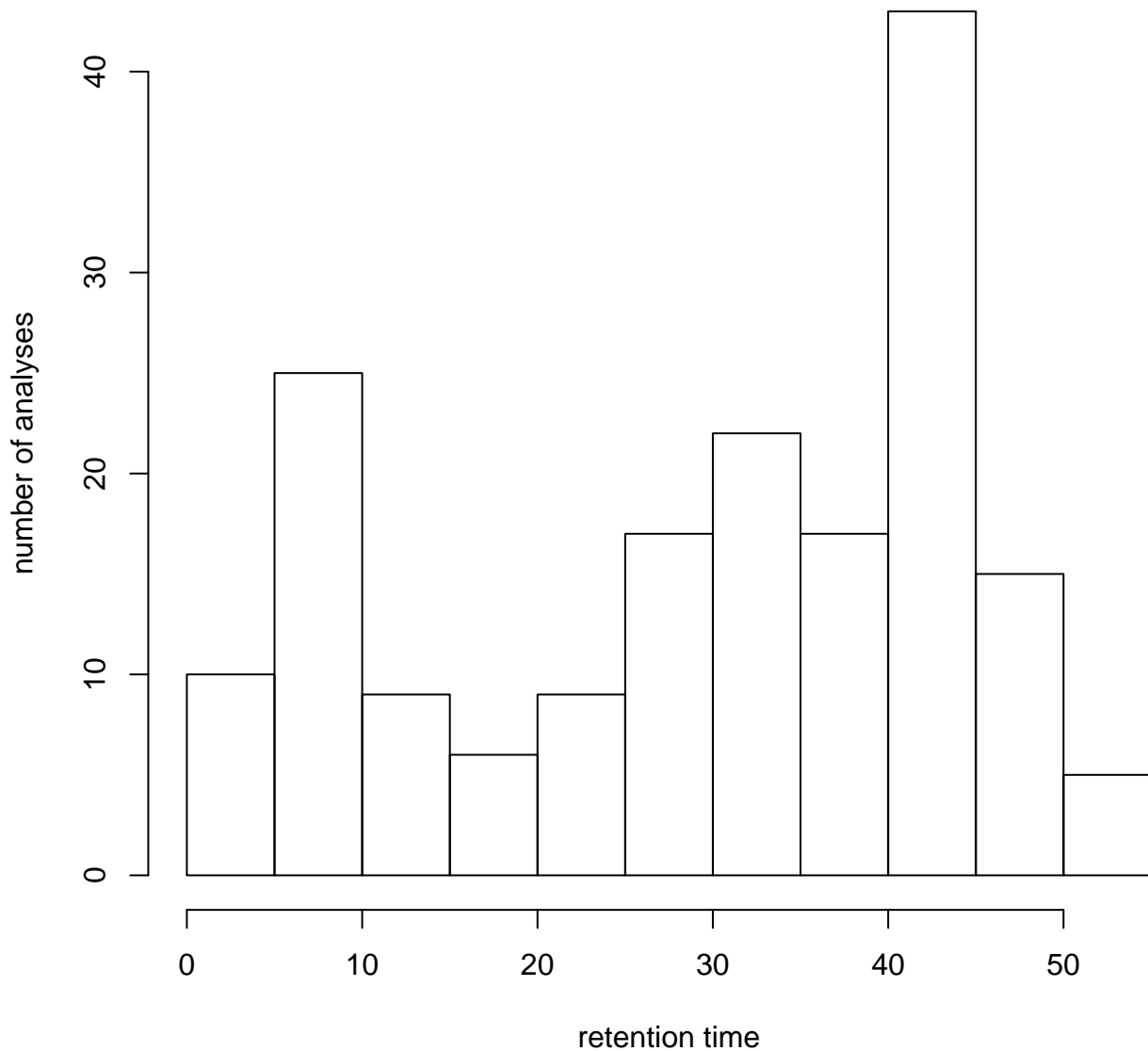
Distribution of retention time for the cluster 16

mean retention time = 29.267 ; range of retention times = 46.405



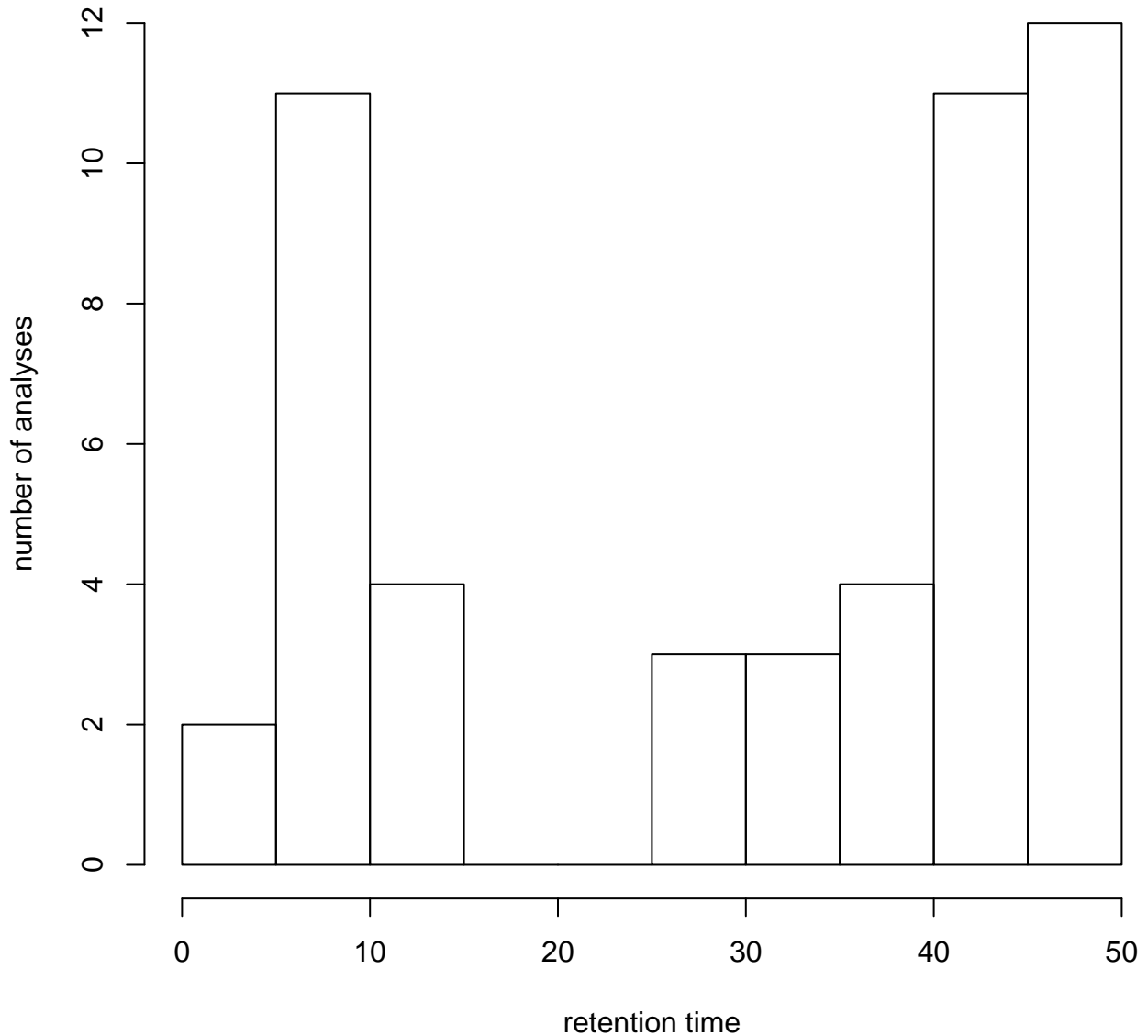
Distribution of retention time for the cluster 17

mean retention time = 29.496 ; range of retention times = 46.315



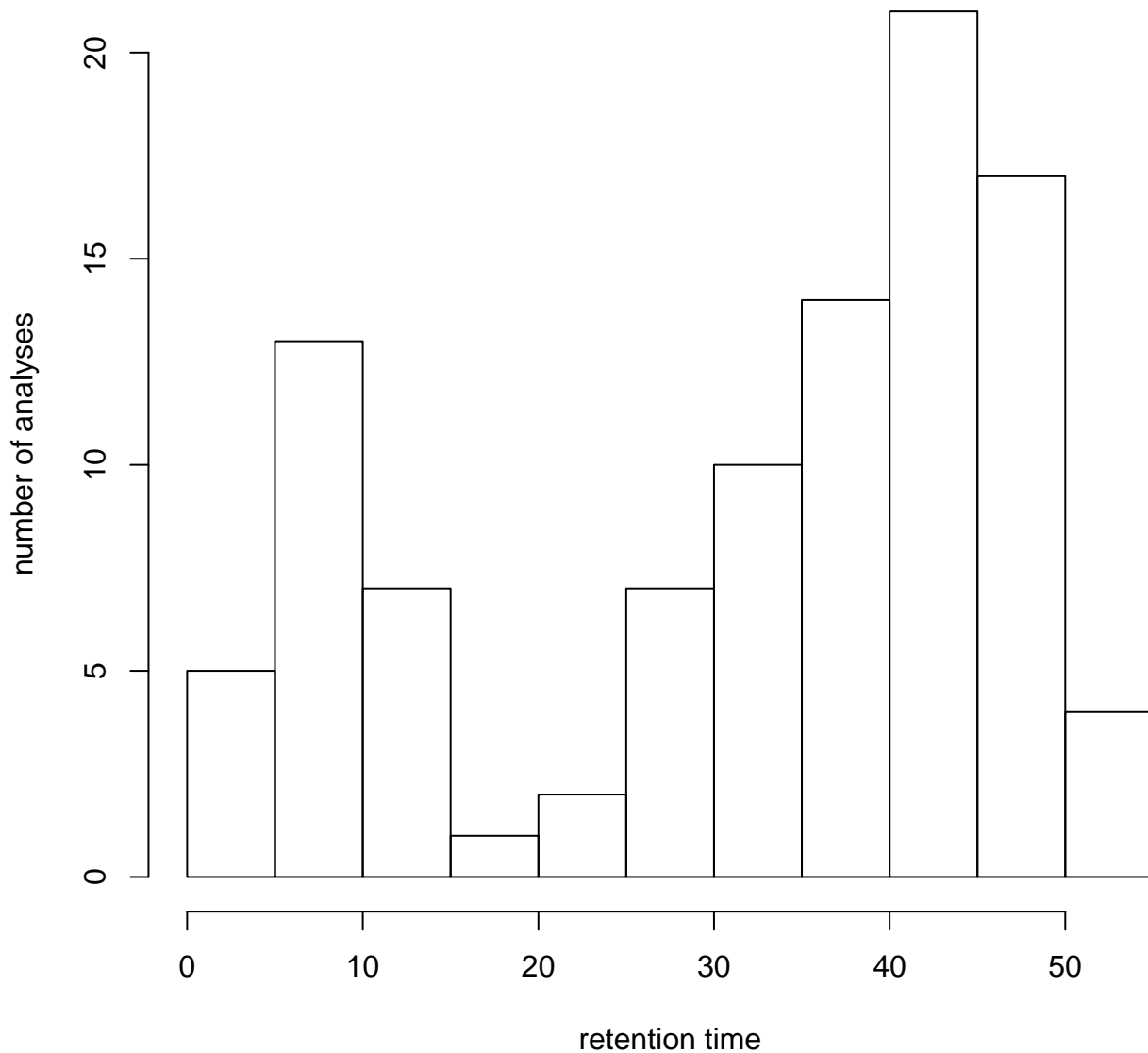
Distribution of retention time for the cluster 18

mean retention time = 30.277 ; range of retention times = 44.23



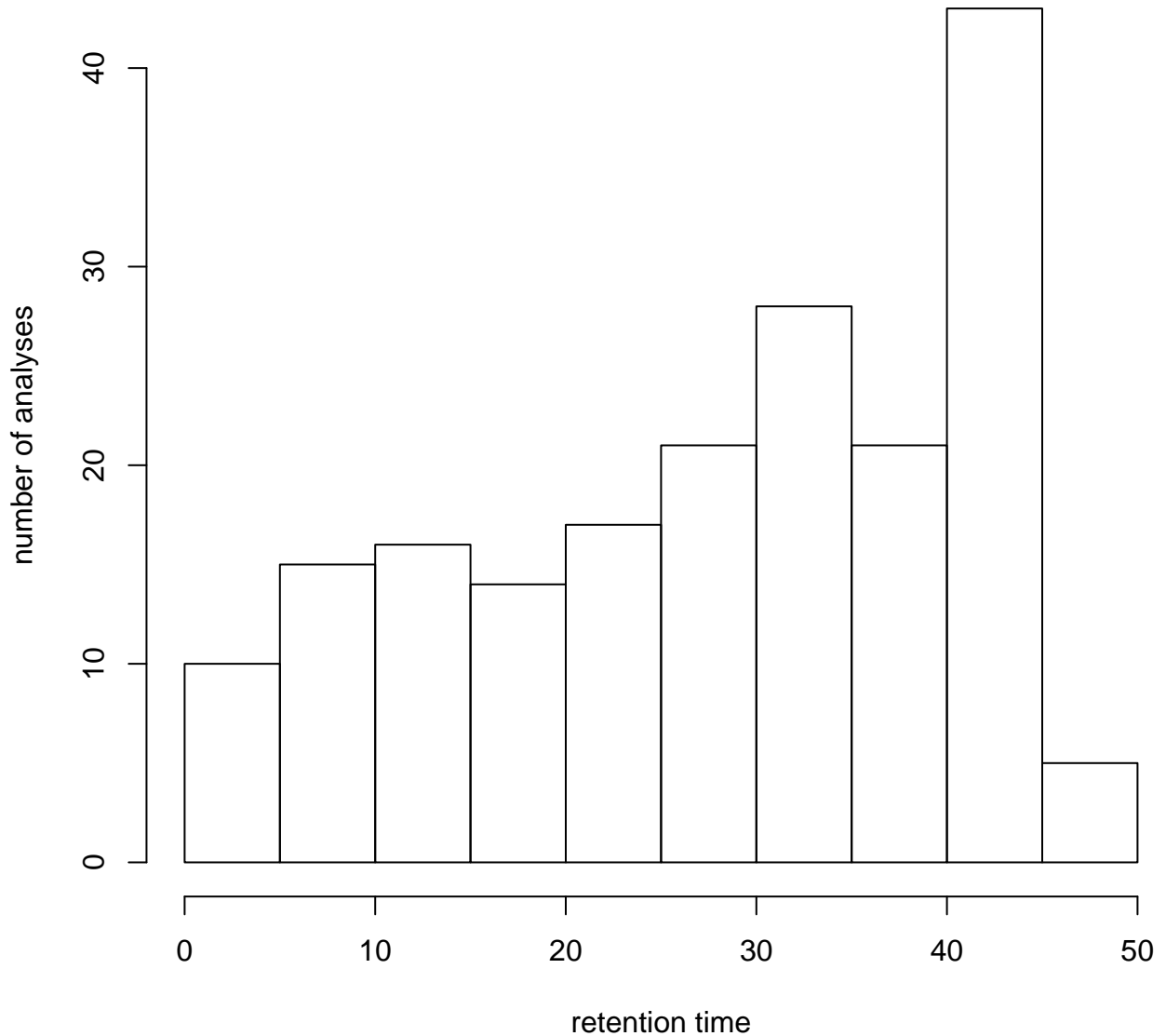
Distribution of retention time for the cluster 19

mean retention time = 31.762 ; range of retention times = 48.102



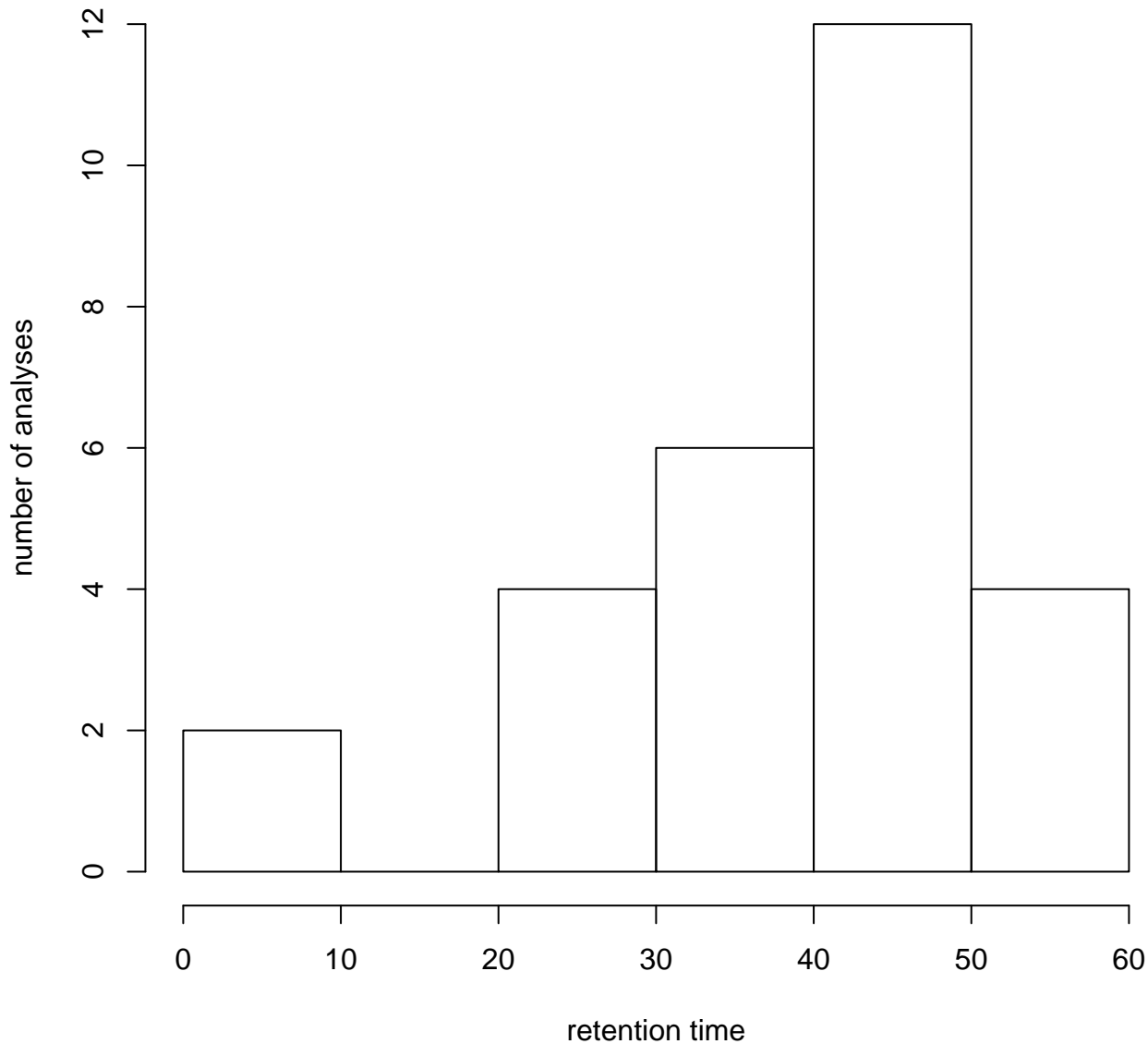
Distribution of retention time for the cluster 20

mean retention time = 28.204 ; range of retention times = 43.51



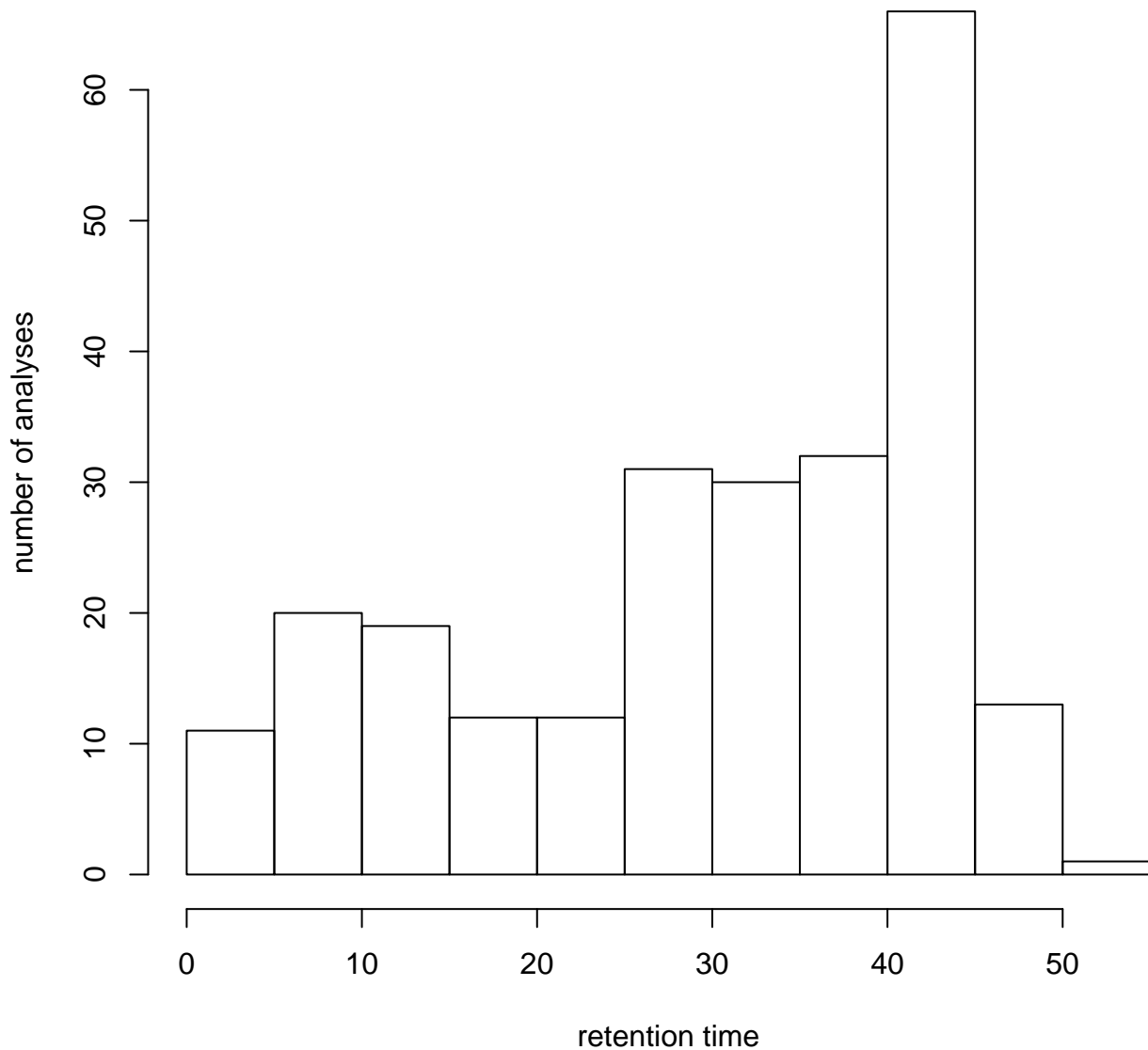
Distribution of retention time for the cluster 21

mean retention time = 39.384 ; range of retention times = 46.826



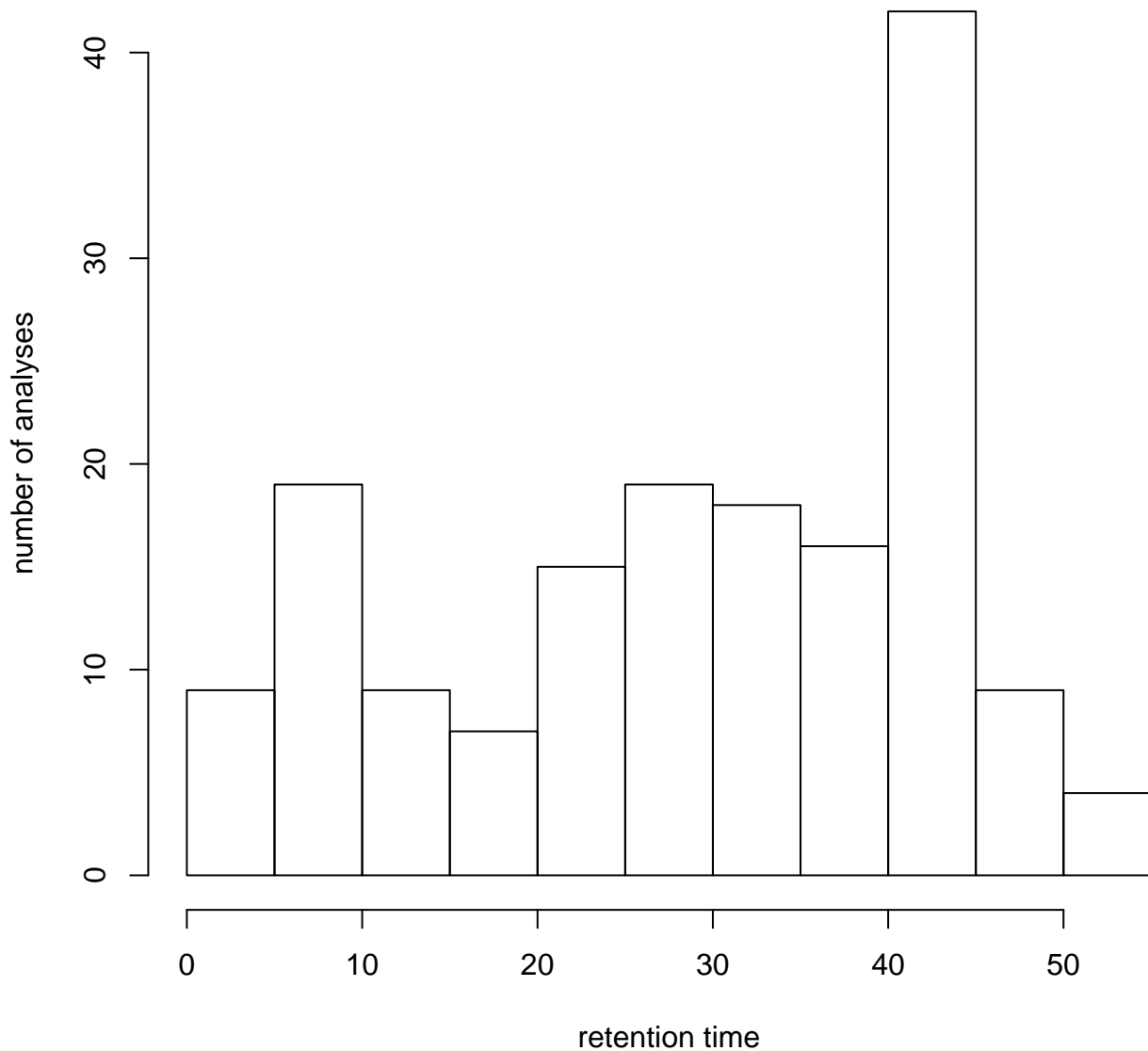
Distribution of retention time for the cluster 22

mean retention time = 30.149 ; range of retention times = 47.25



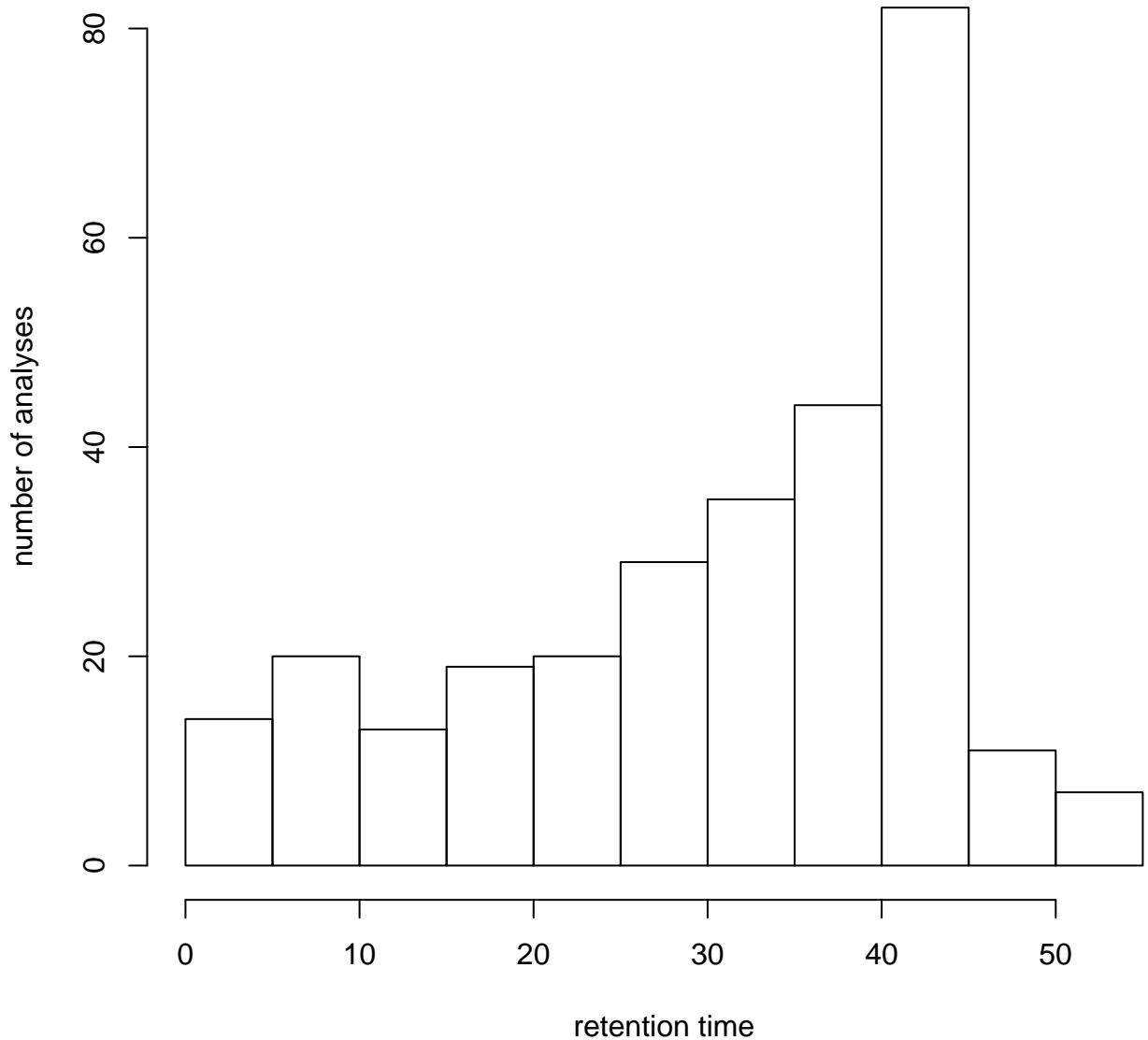
Distribution of retention time for the cluster 23

mean retention time = 28.999 ; range of retention times = 47.347



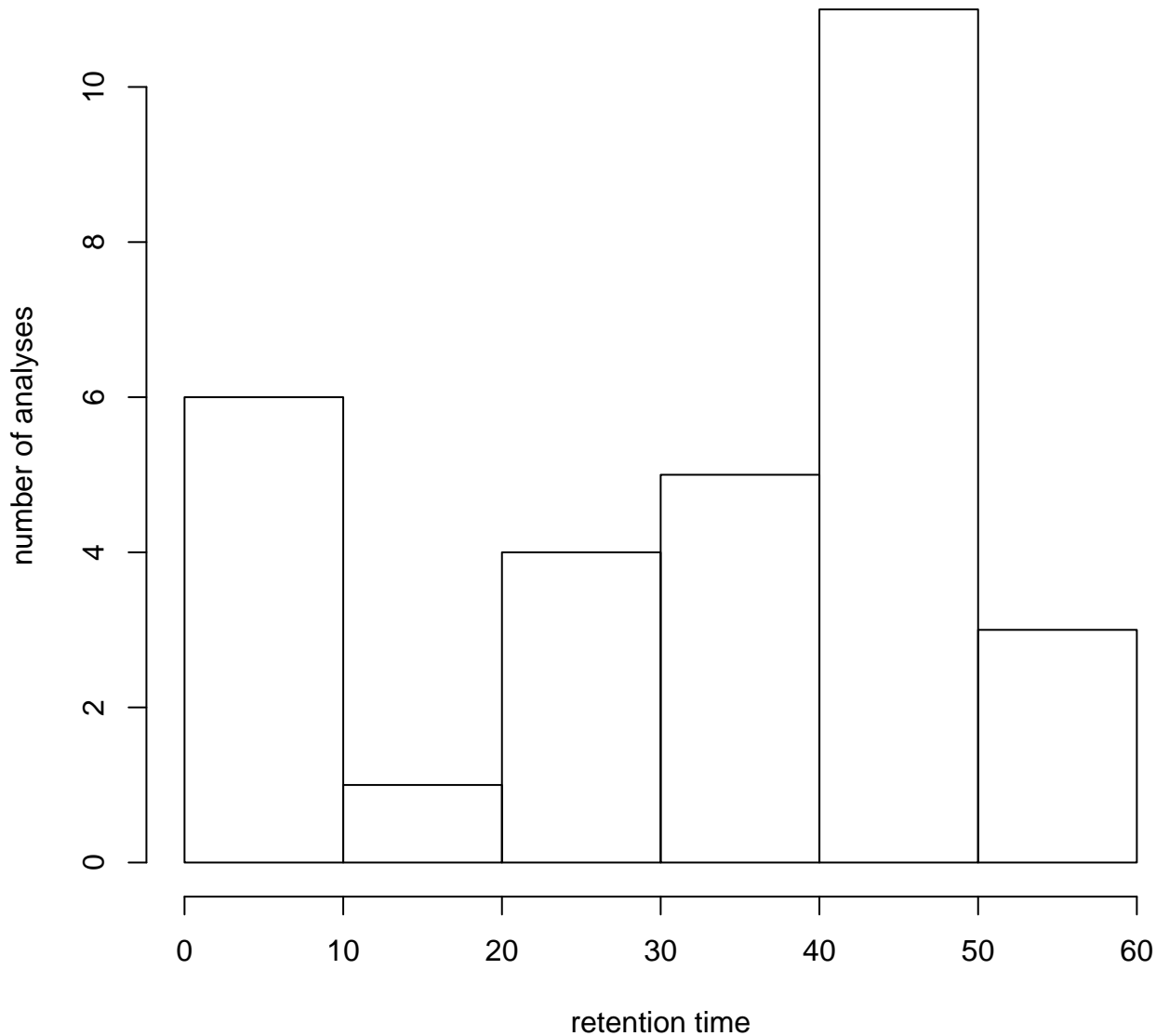
Distribution of retention time for the cluster 24

mean retention time = 30.974 ; range of retention times = 50.396



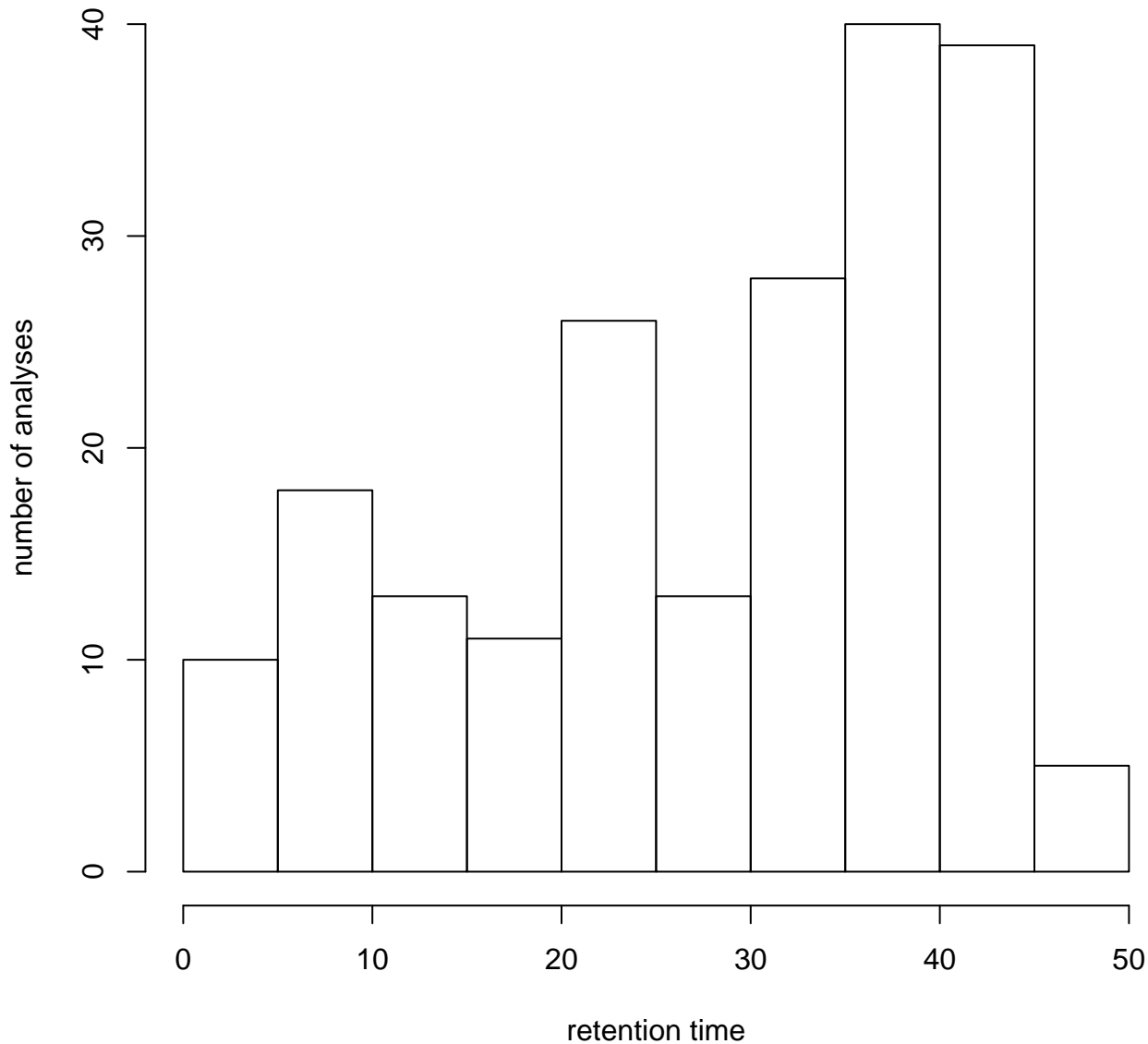
Distribution of retention time for the cluster 25

mean retention time = 33.201 ; range of retention times = 47.183



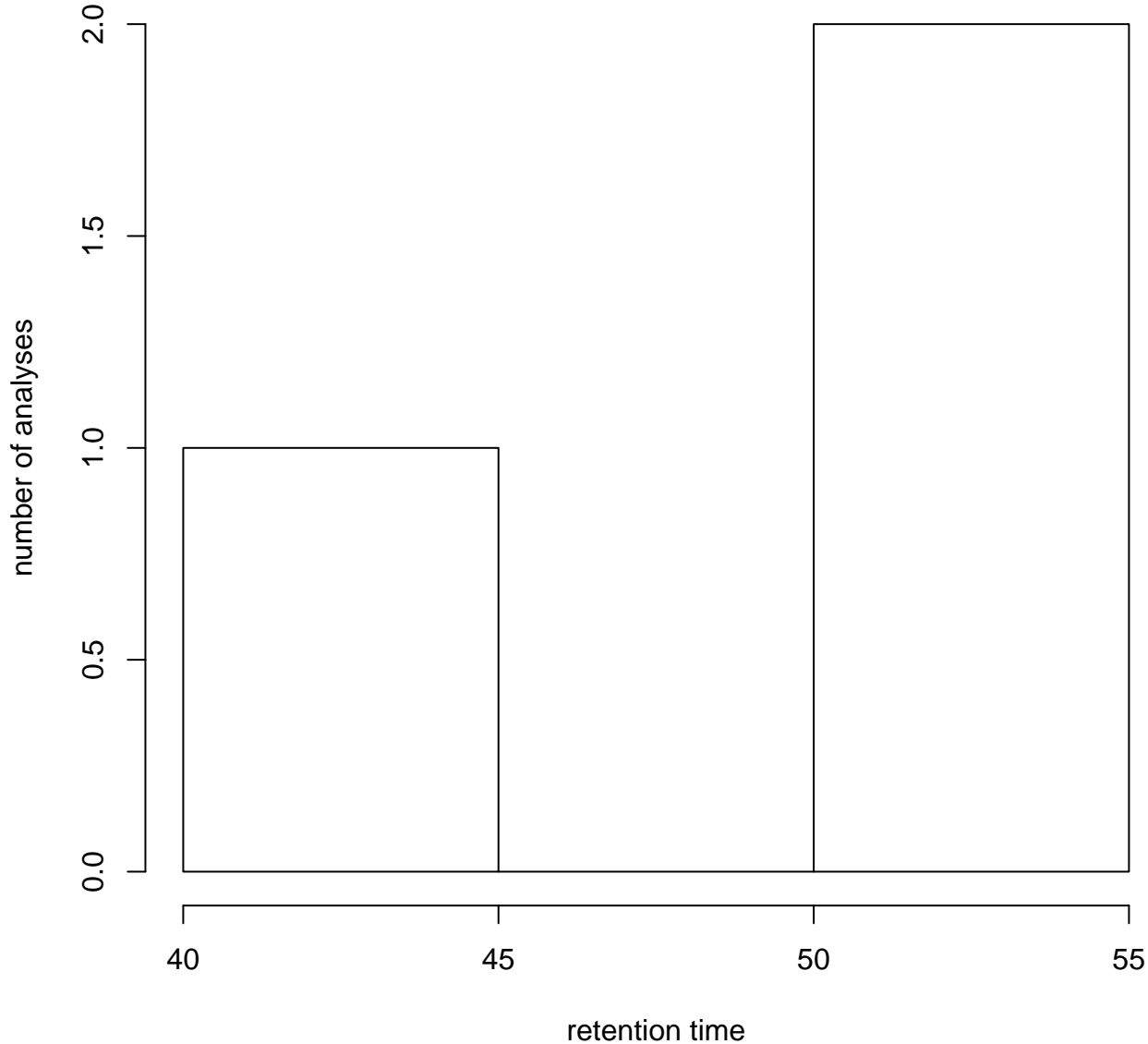
Distribution of retention time for the cluster 26

mean retention time = 28.511 ; range of retention times = 45.358



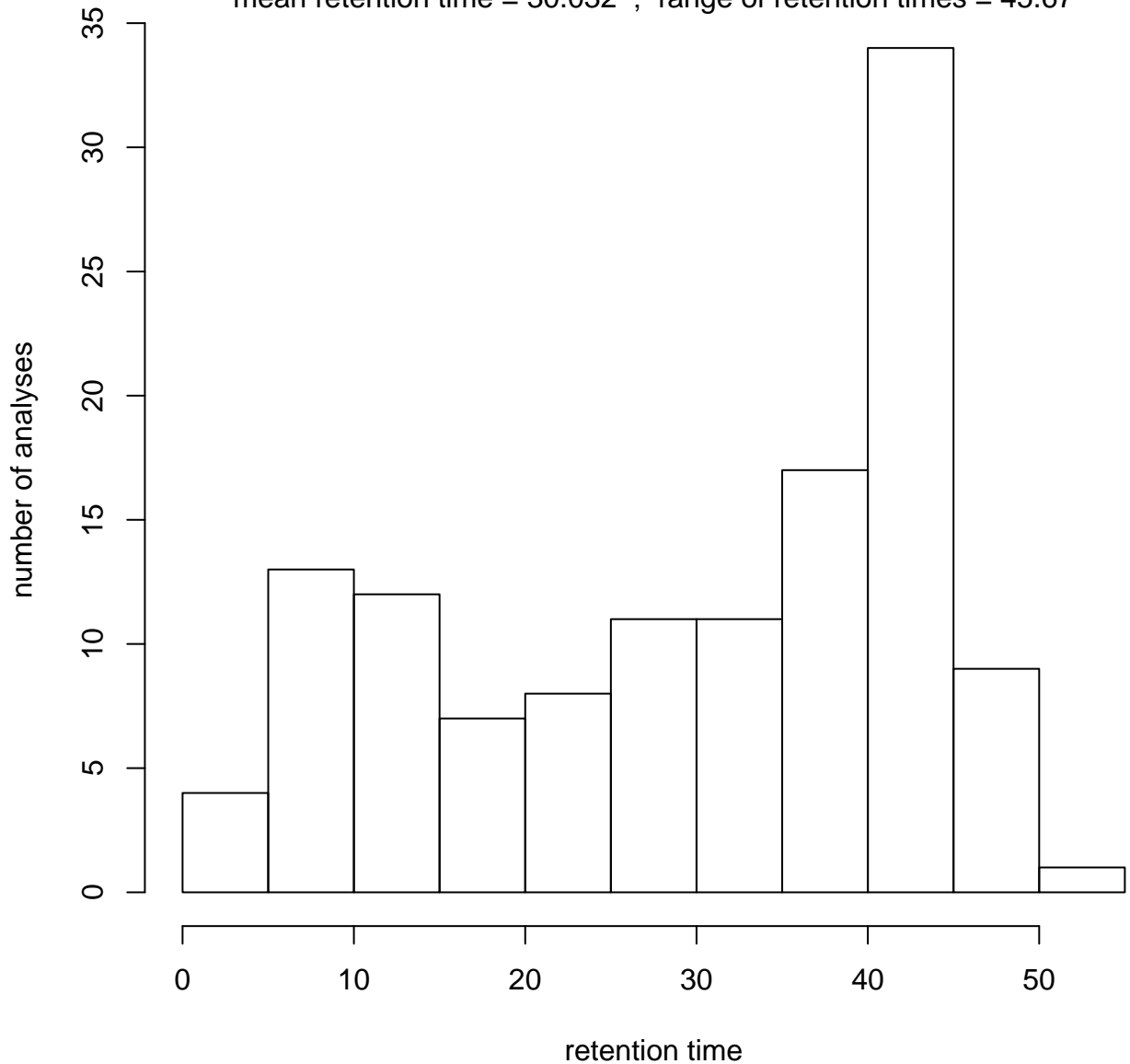
Distribution of retention time for the cluster 27

mean retention time = 49.364 ; range of retention times = 9.913



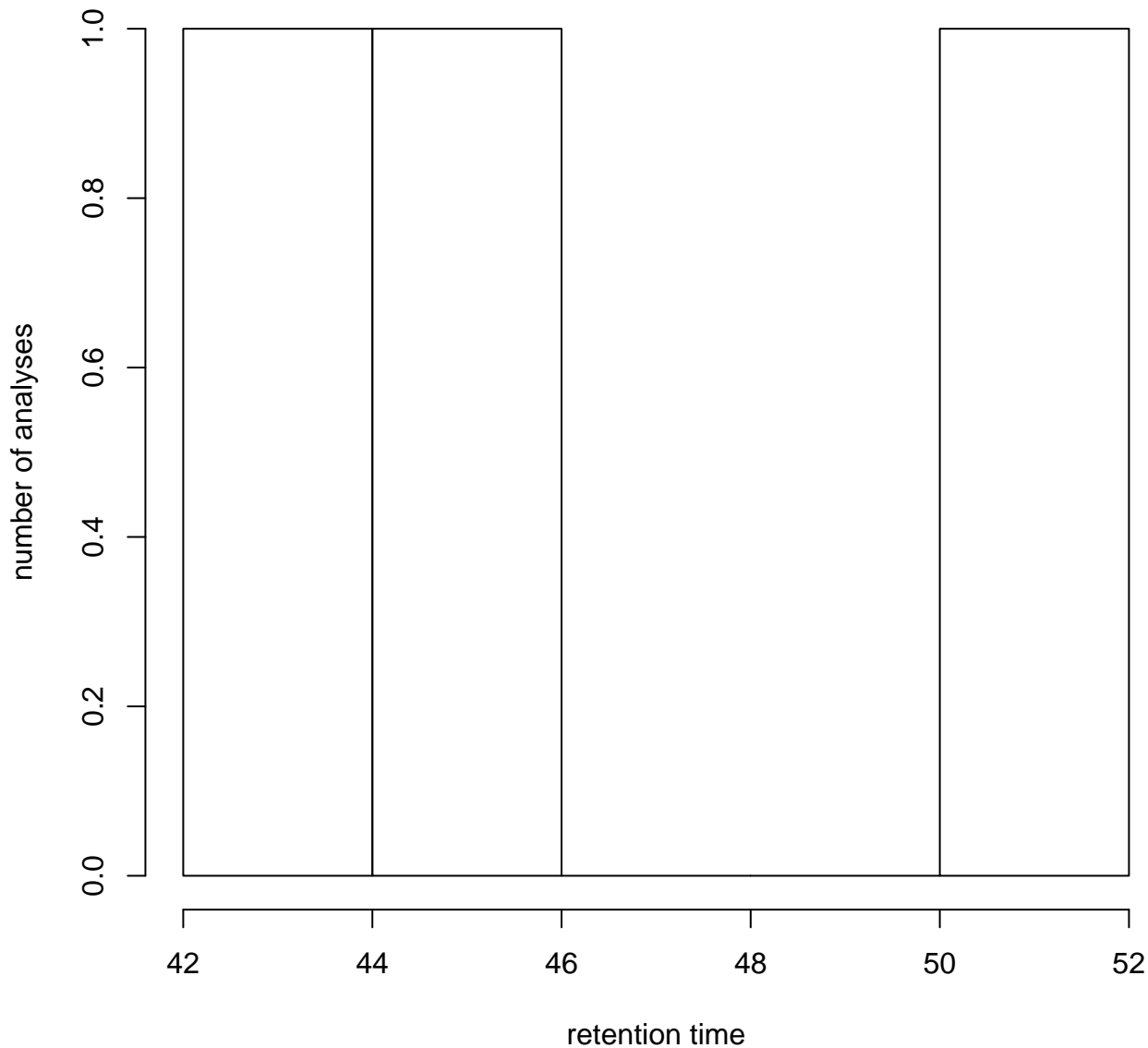
Distribution of retention time for the cluster 28

mean retention time = 30.032 ; range of retention times = 45.67



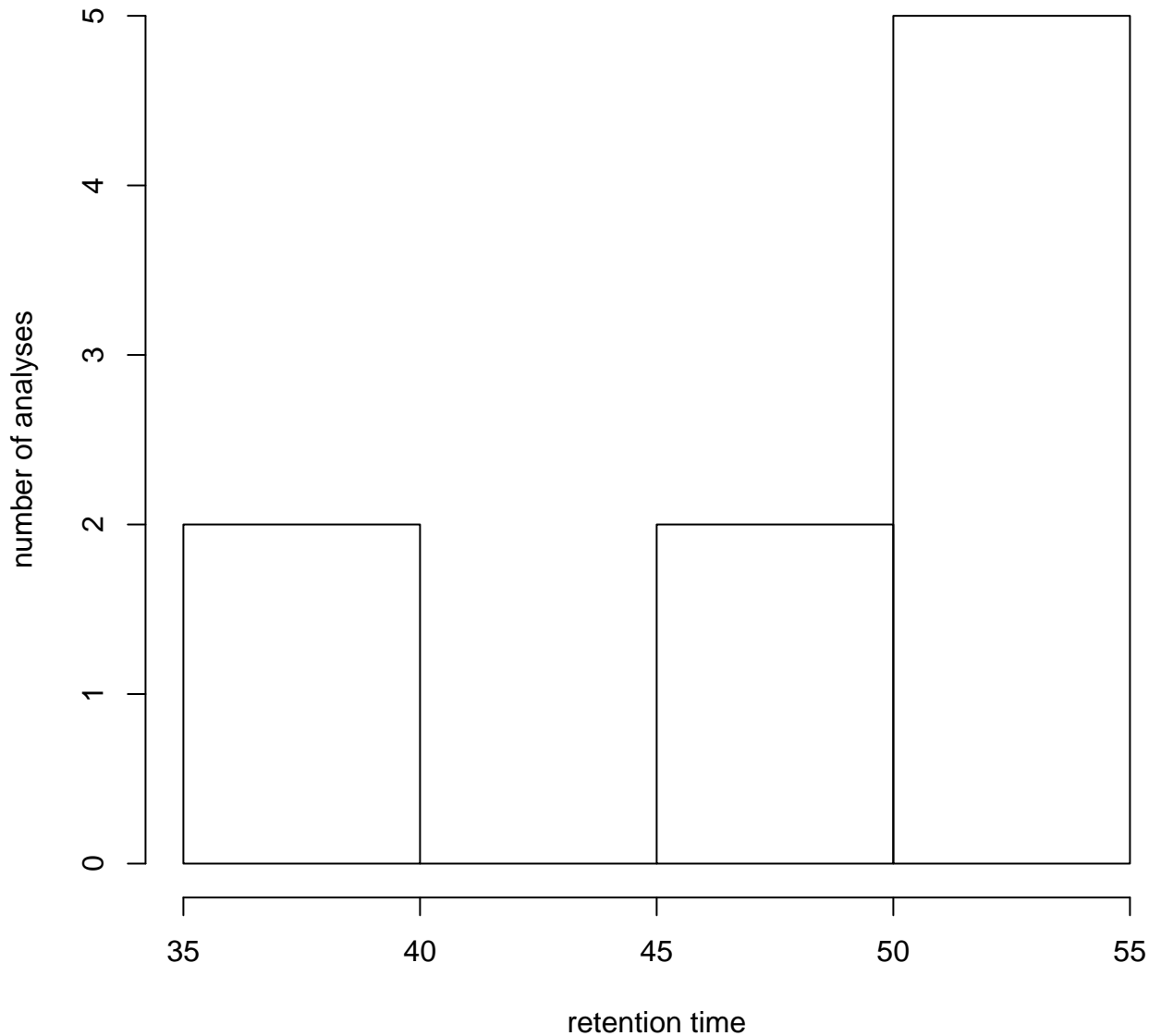
Distribution of retention time for the cluster 29

mean retention time = 46.928 ; range of retention times = 8.39



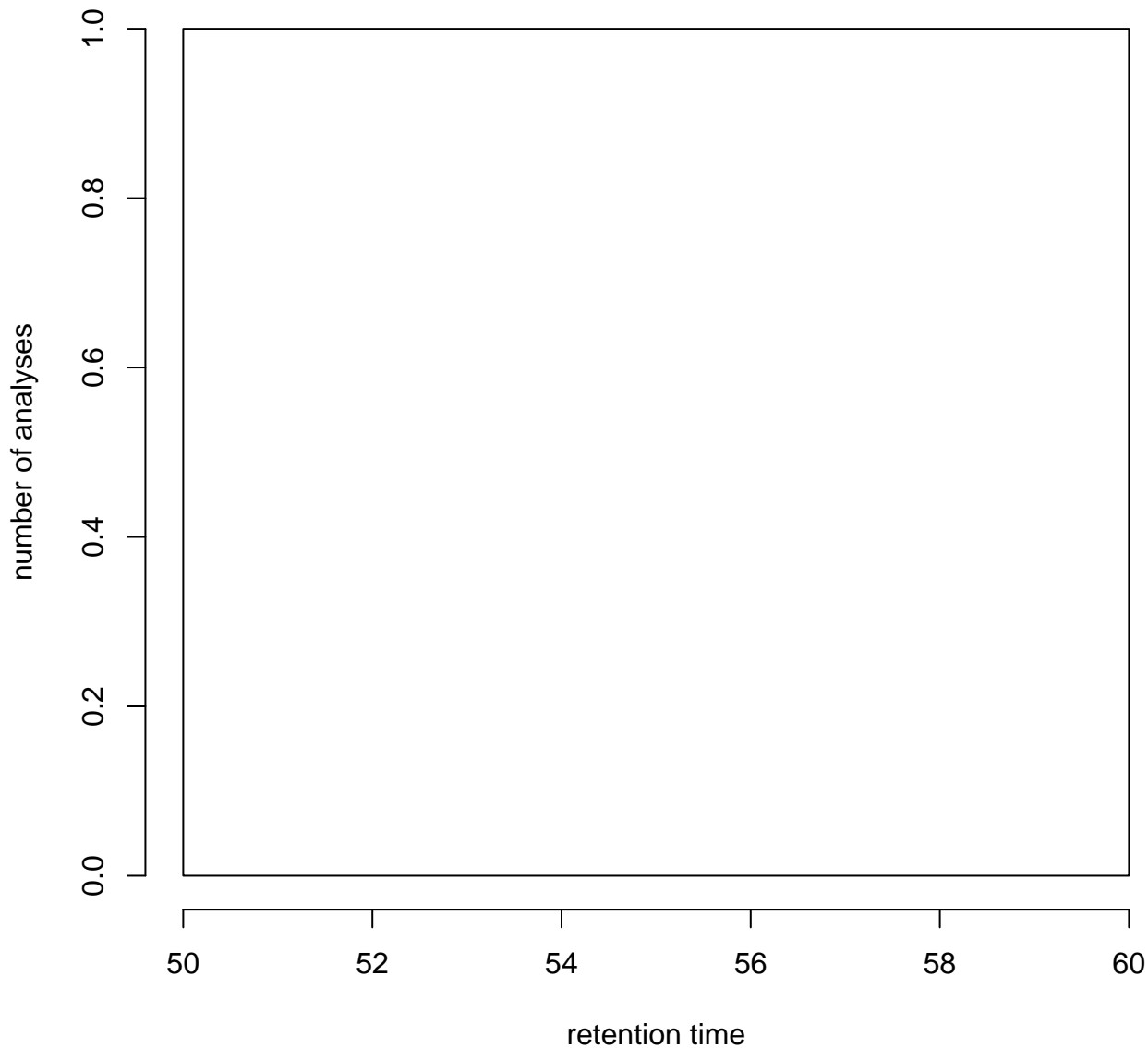
Distribution of retention time for the cluster 30

mean retention time = 47.235 ; range of retention times = 17.277



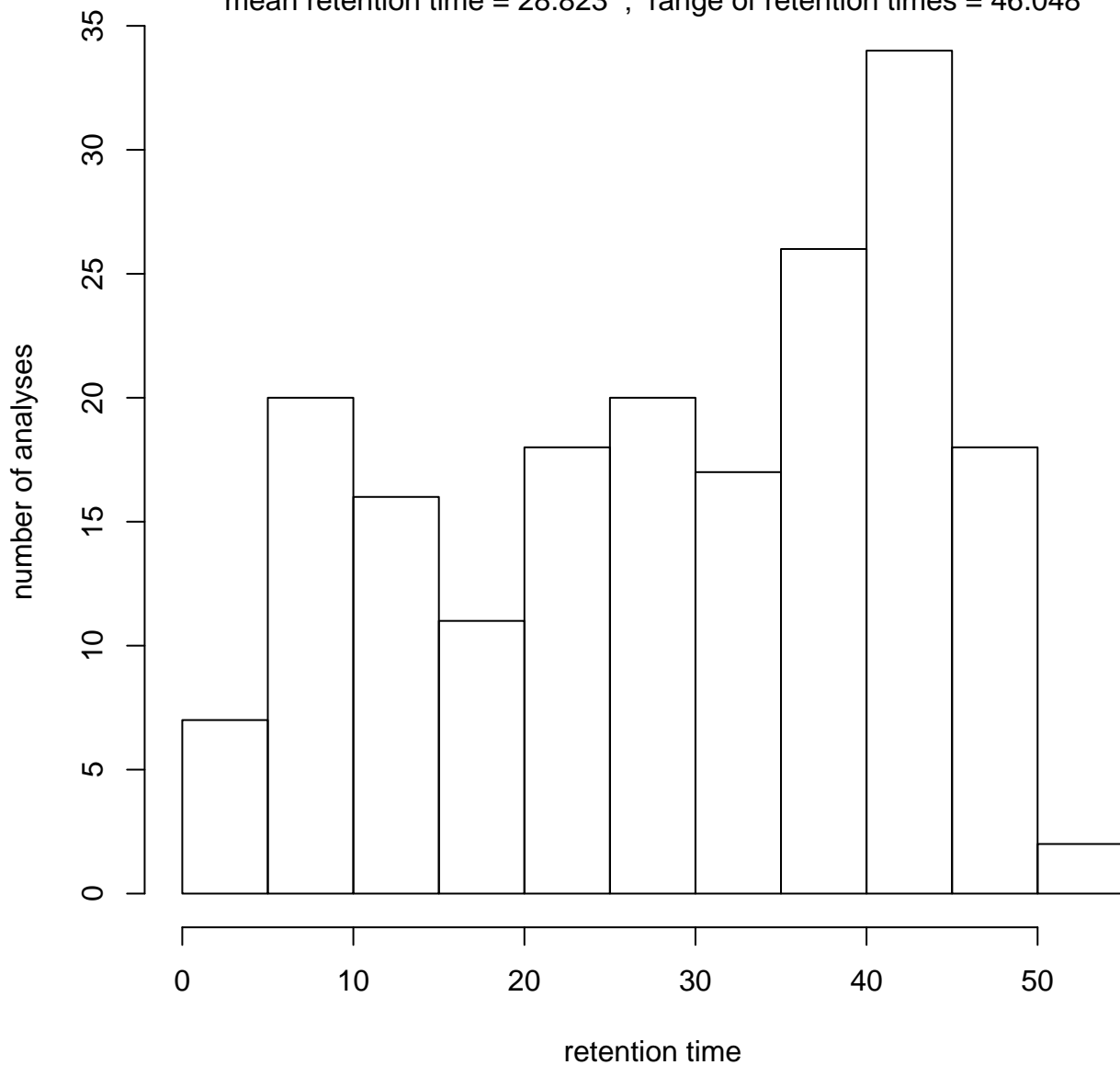
Distribution of retention time for the cluster 31

mean retention time = 52.873 ; range of retention times = 0



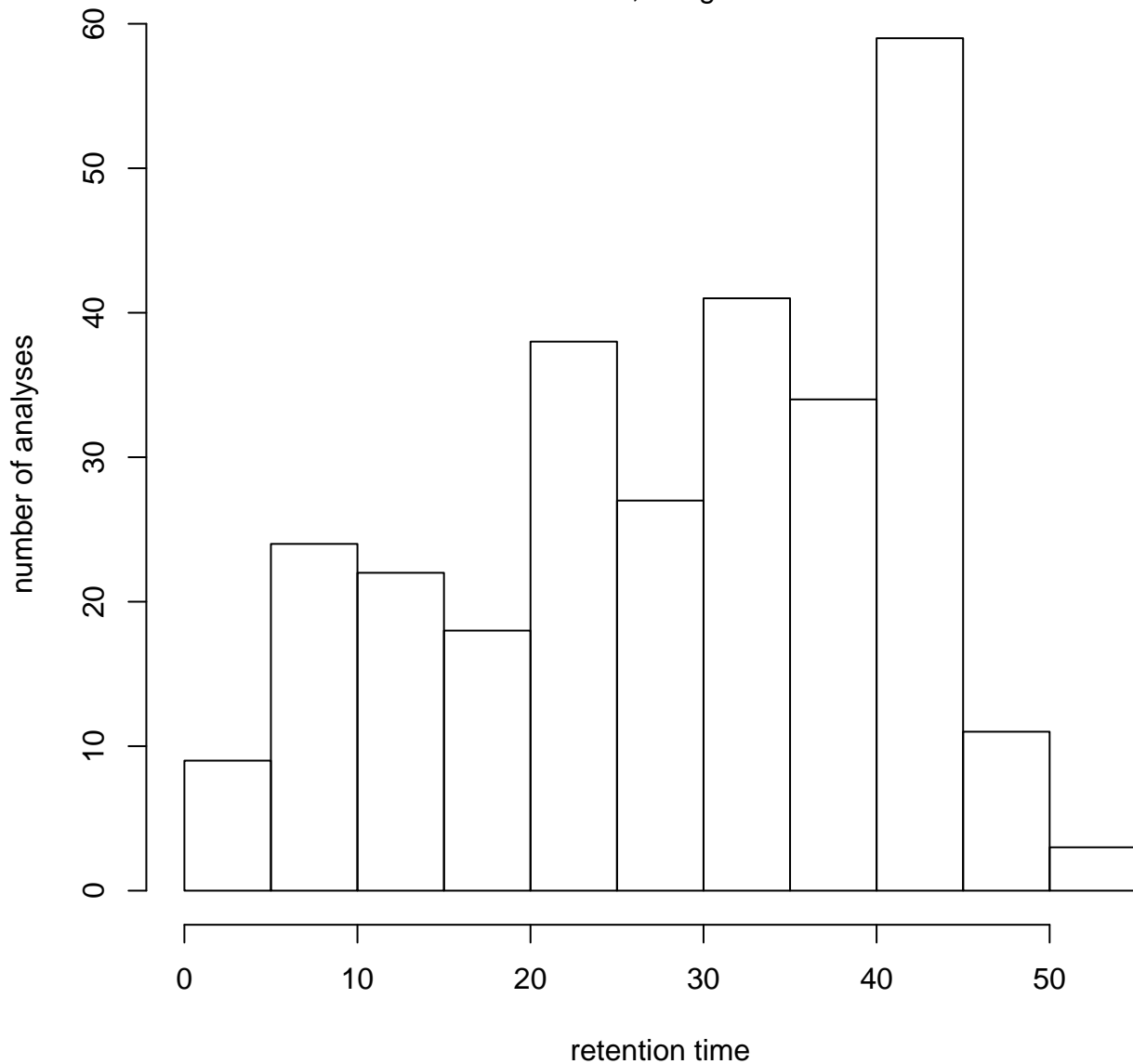
Distribution of retention time for the cluster 32

mean retention time = 28.823 ; range of retention times = 46.048



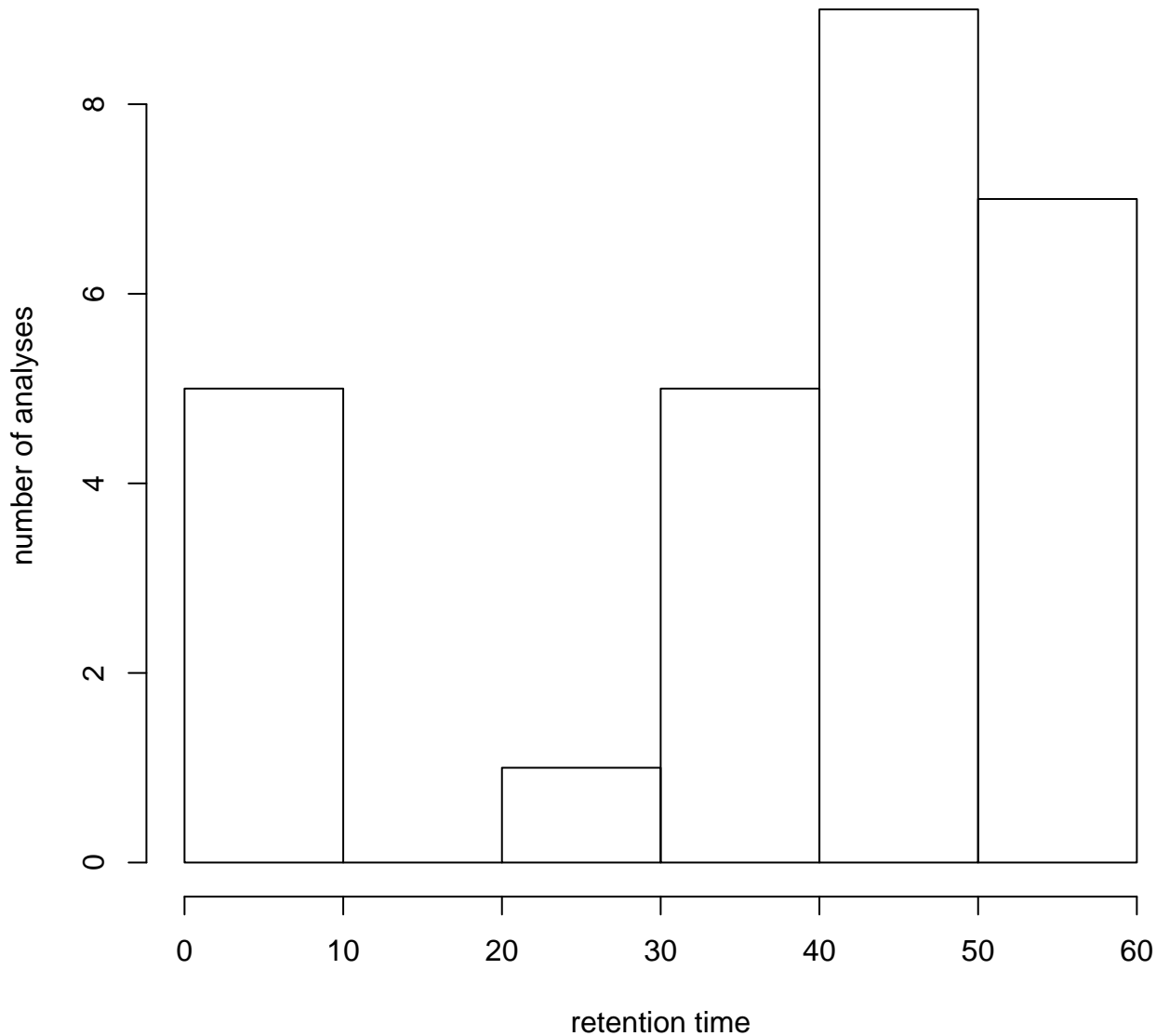
Distribution of retention time for the cluster 33

mean retention time = 28.681 ; range of retention times = 51.184



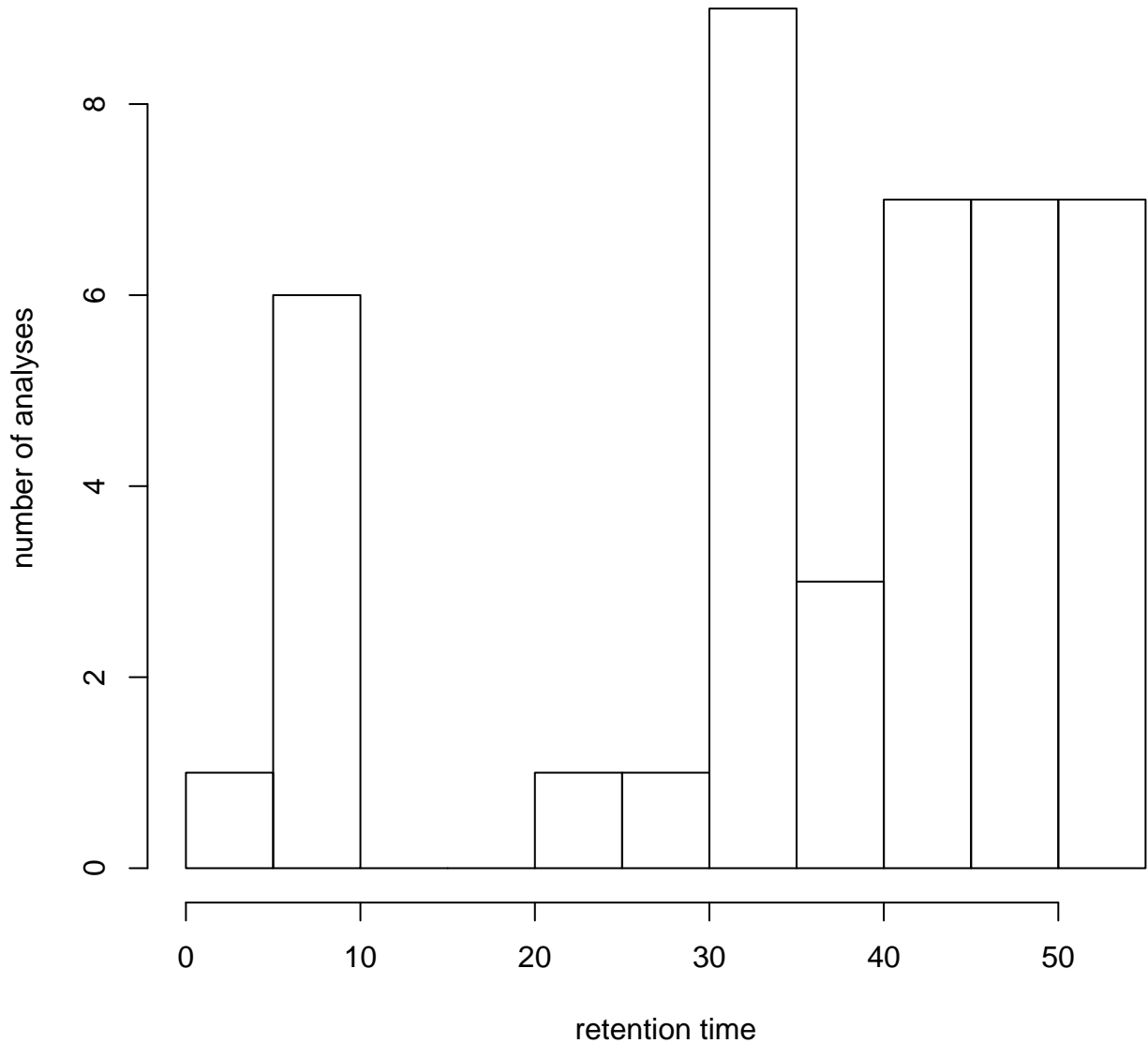
Distribution of retention time for the cluster 34

mean retention time = 37.403 ; range of retention times = 46.639



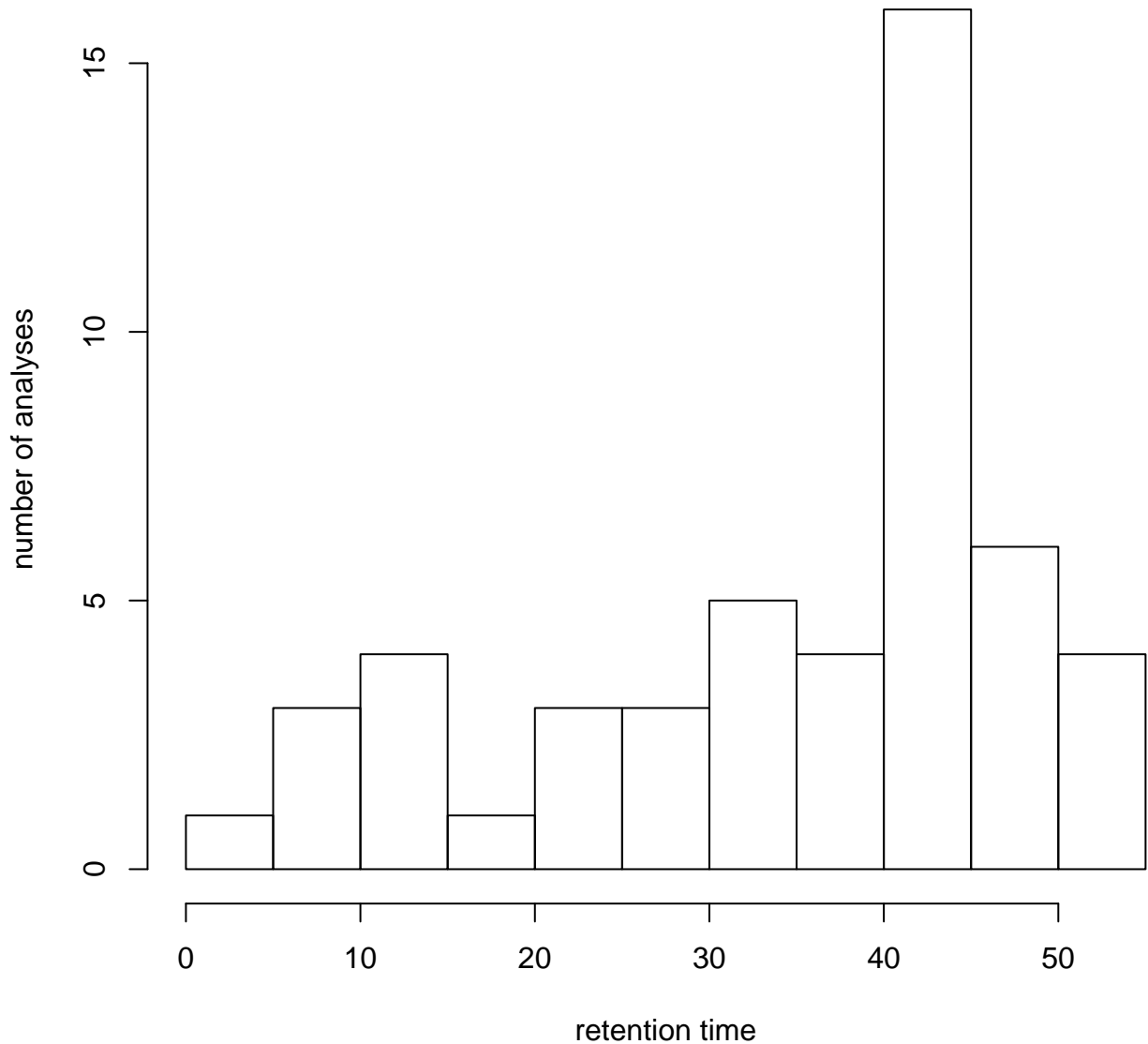
Distribution of retention time for the cluster 35

mean retention time = 35.788 ; range of retention times = 47.074



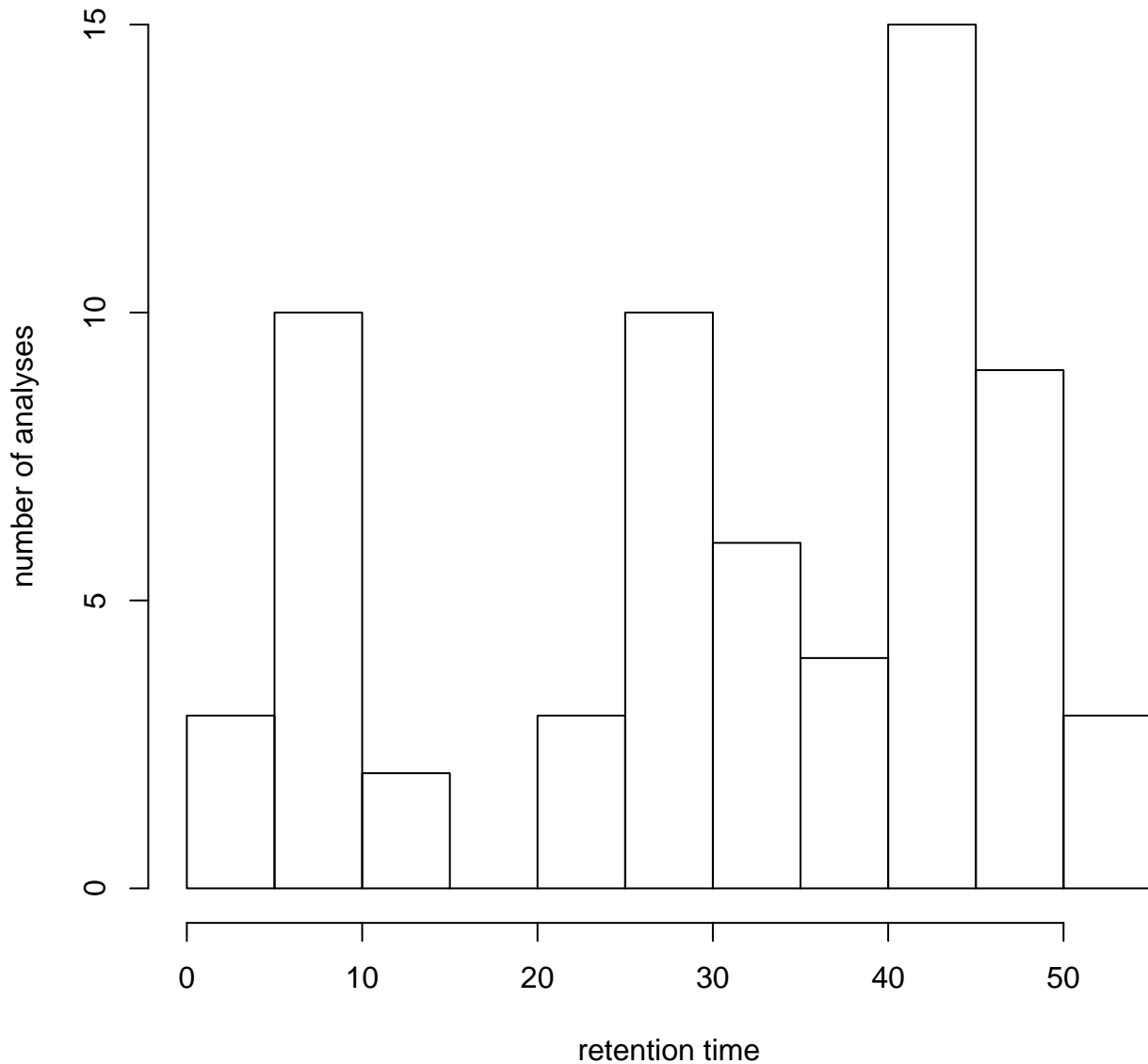
Distribution of retention time for the cluster 36

mean retention time = 34.295 ; range of retention times = 47.07



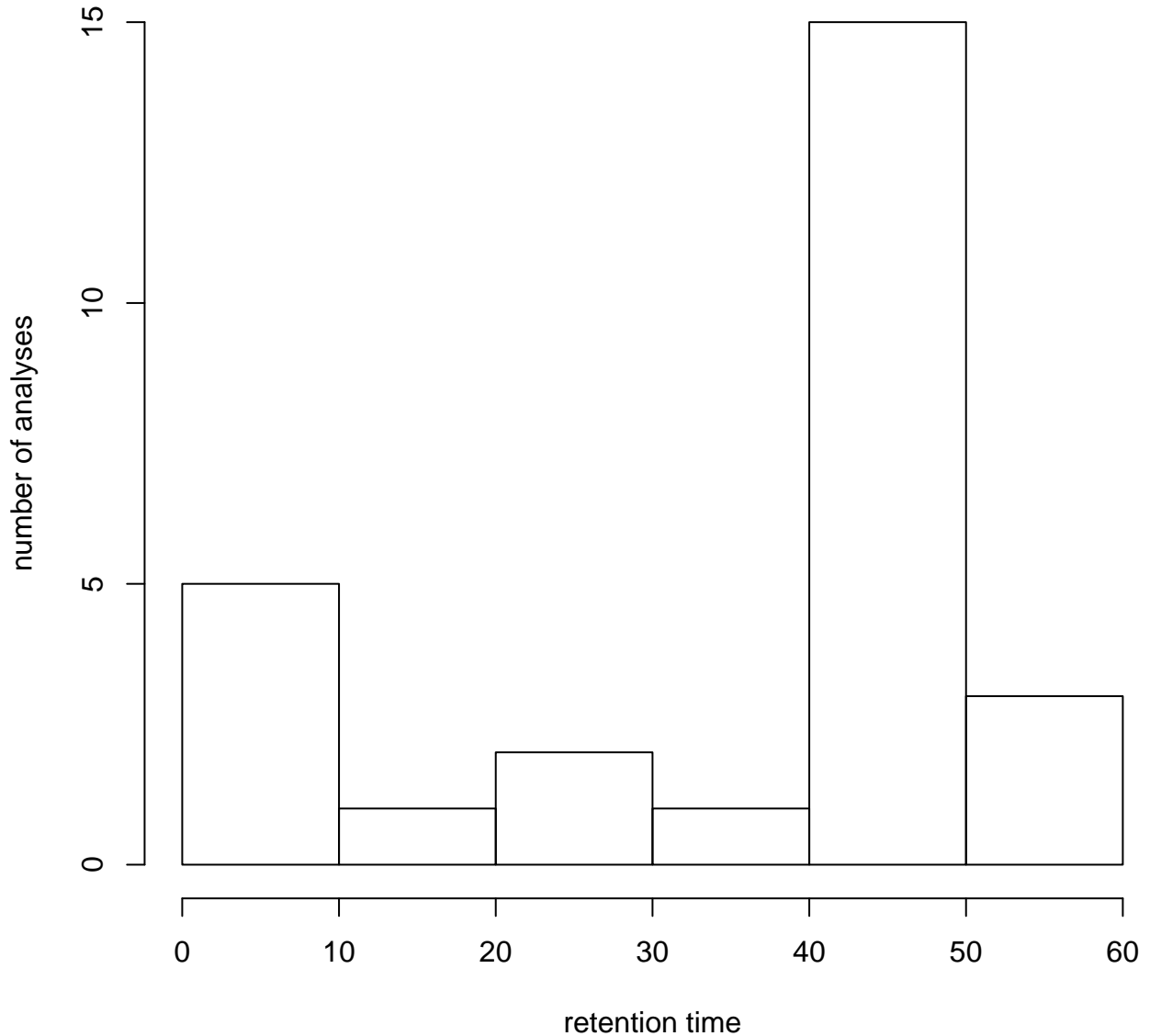
Distribution of retention time for the cluster 37

mean retention time = 31.046 ; range of retention times = 45.641



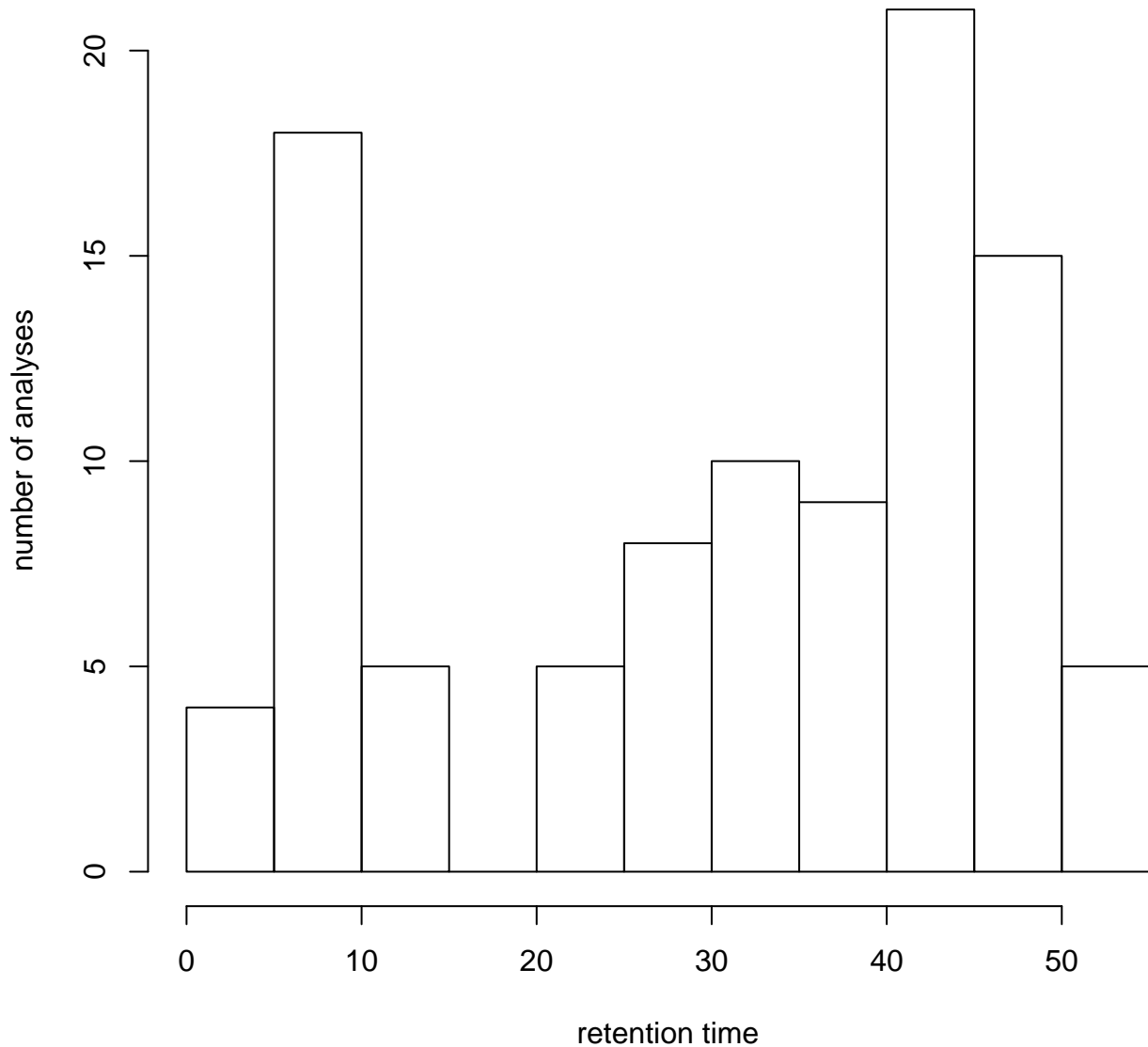
Distribution of retention time for the cluster 38

mean retention time = 36.288 ; range of retention times = 44.914



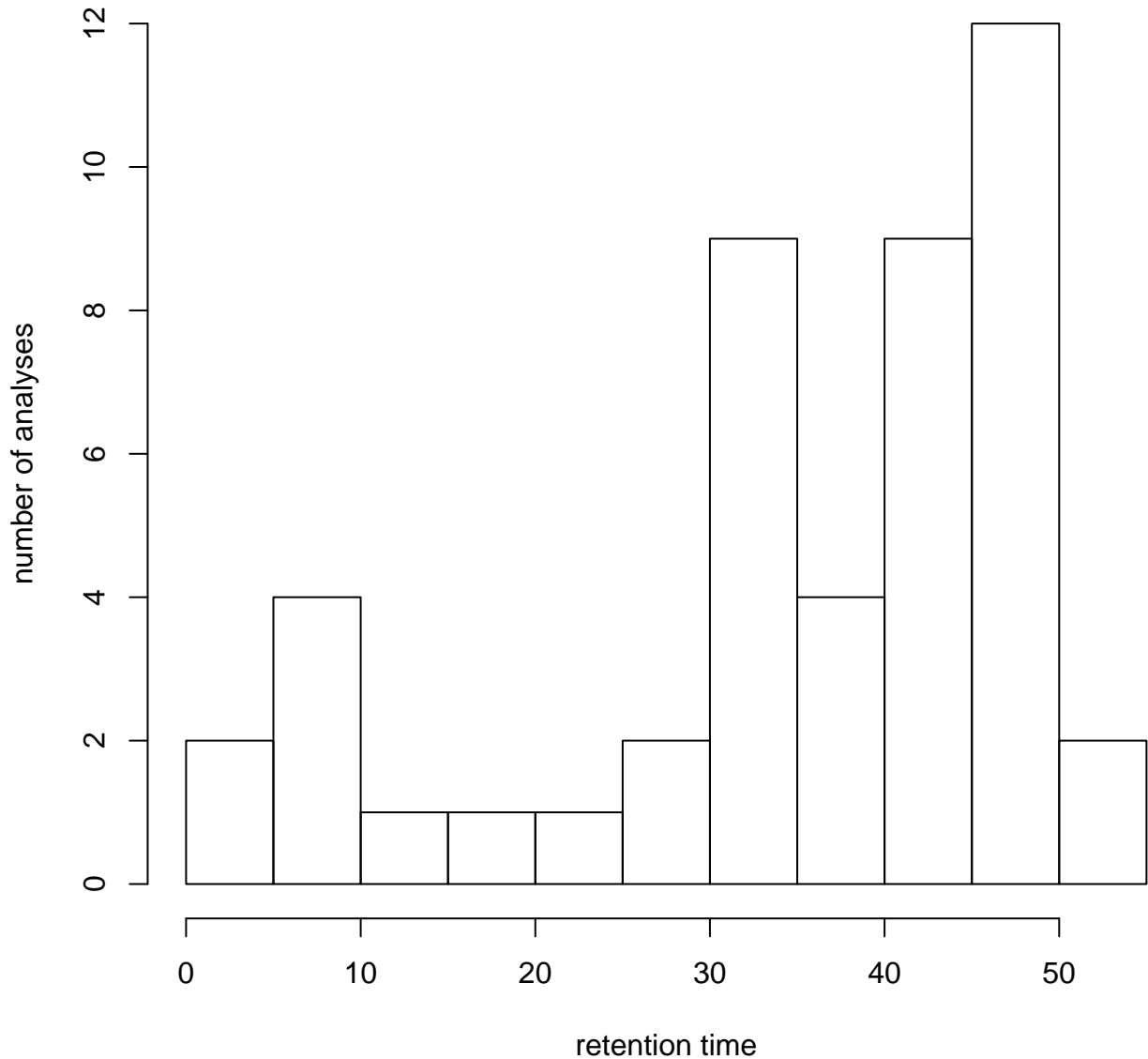
Distribution of retention time for the cluster 39

mean retention time = 30.504 ; range of retention times = 45.555



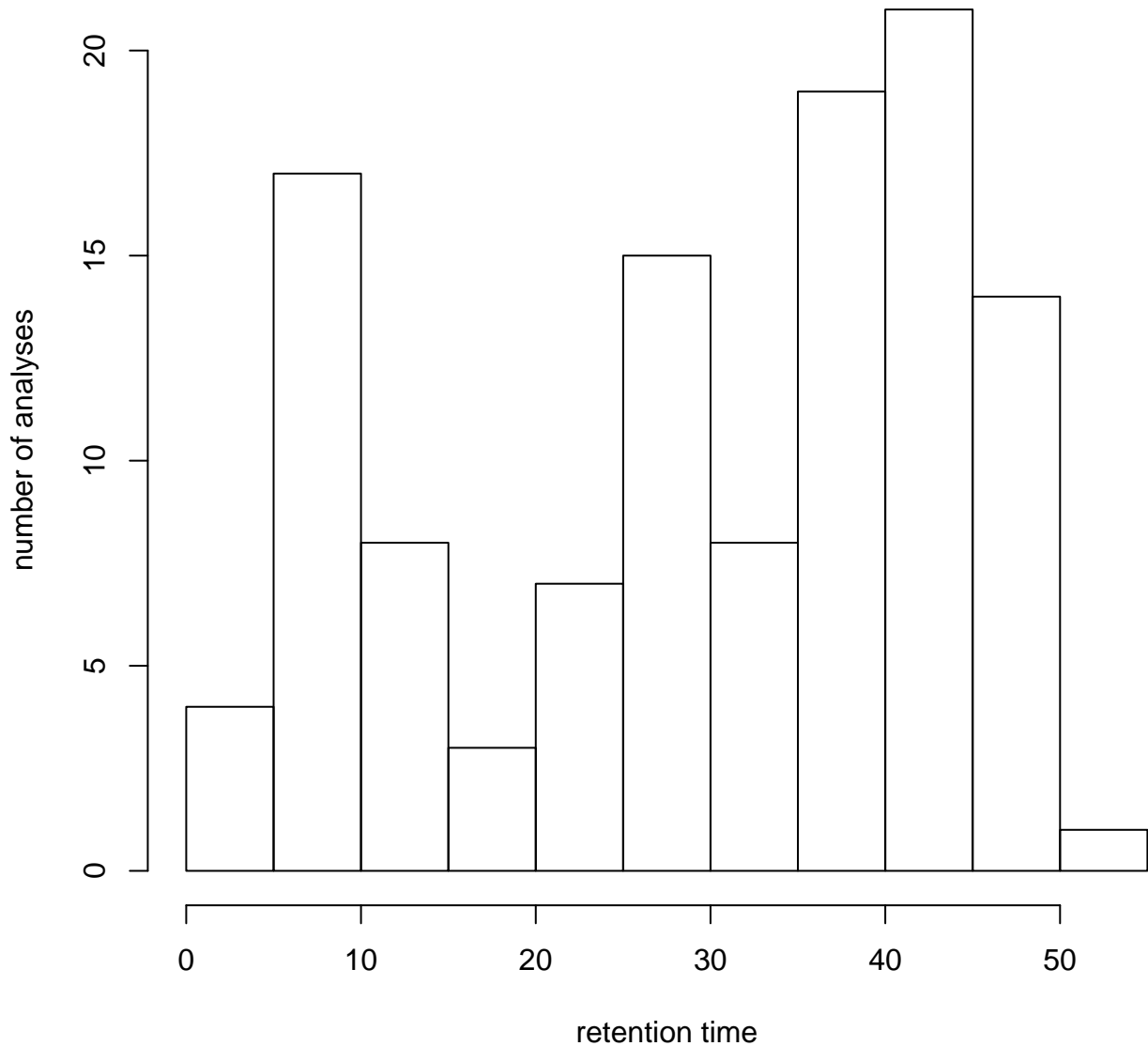
Distribution of retention time for the cluster 40

mean retention time = 34.781 ; range of retention times = 46.8



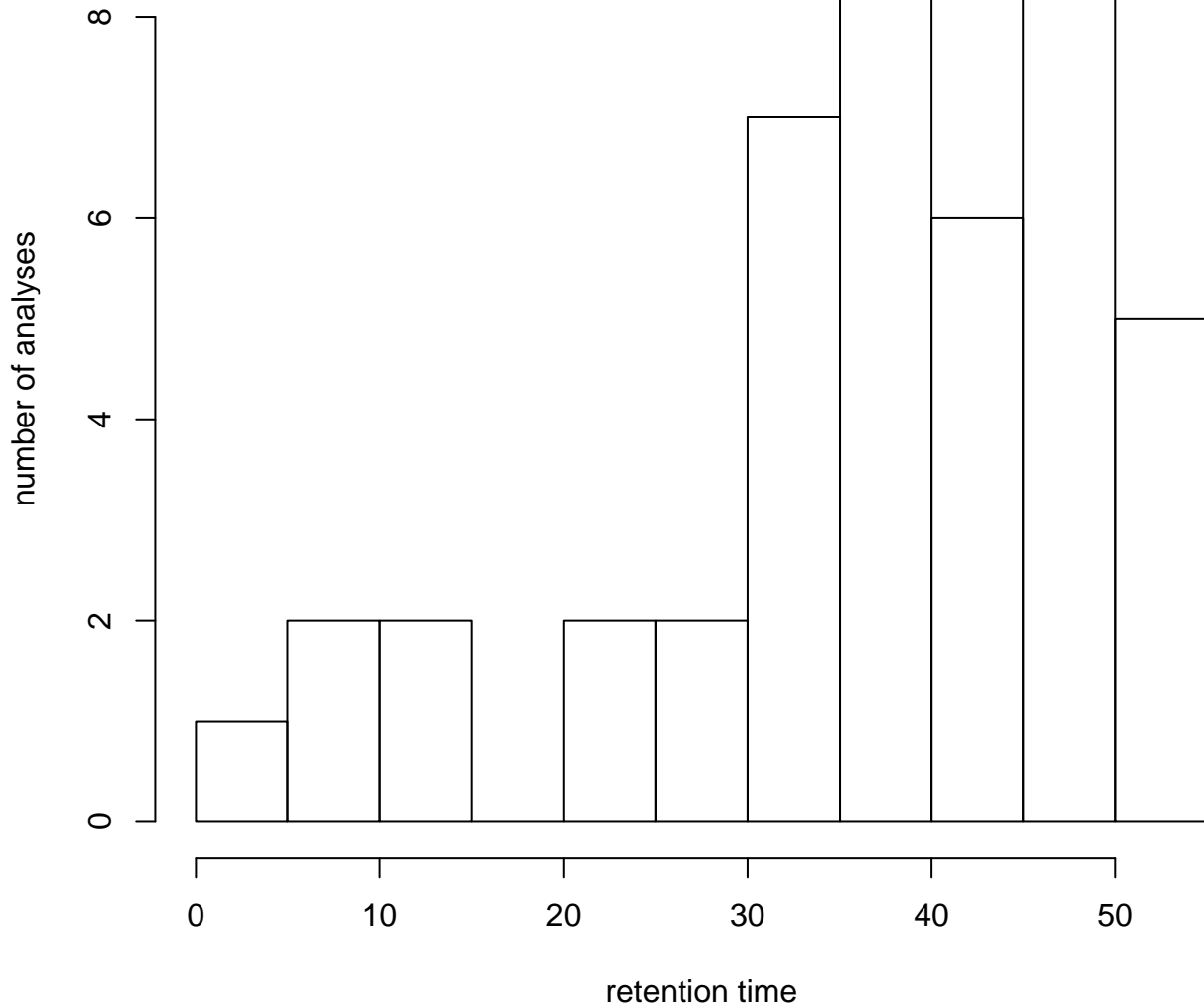
Distribution of retention time for the cluster 41

mean retention time = 29.4 ; range of retention times = 46.436



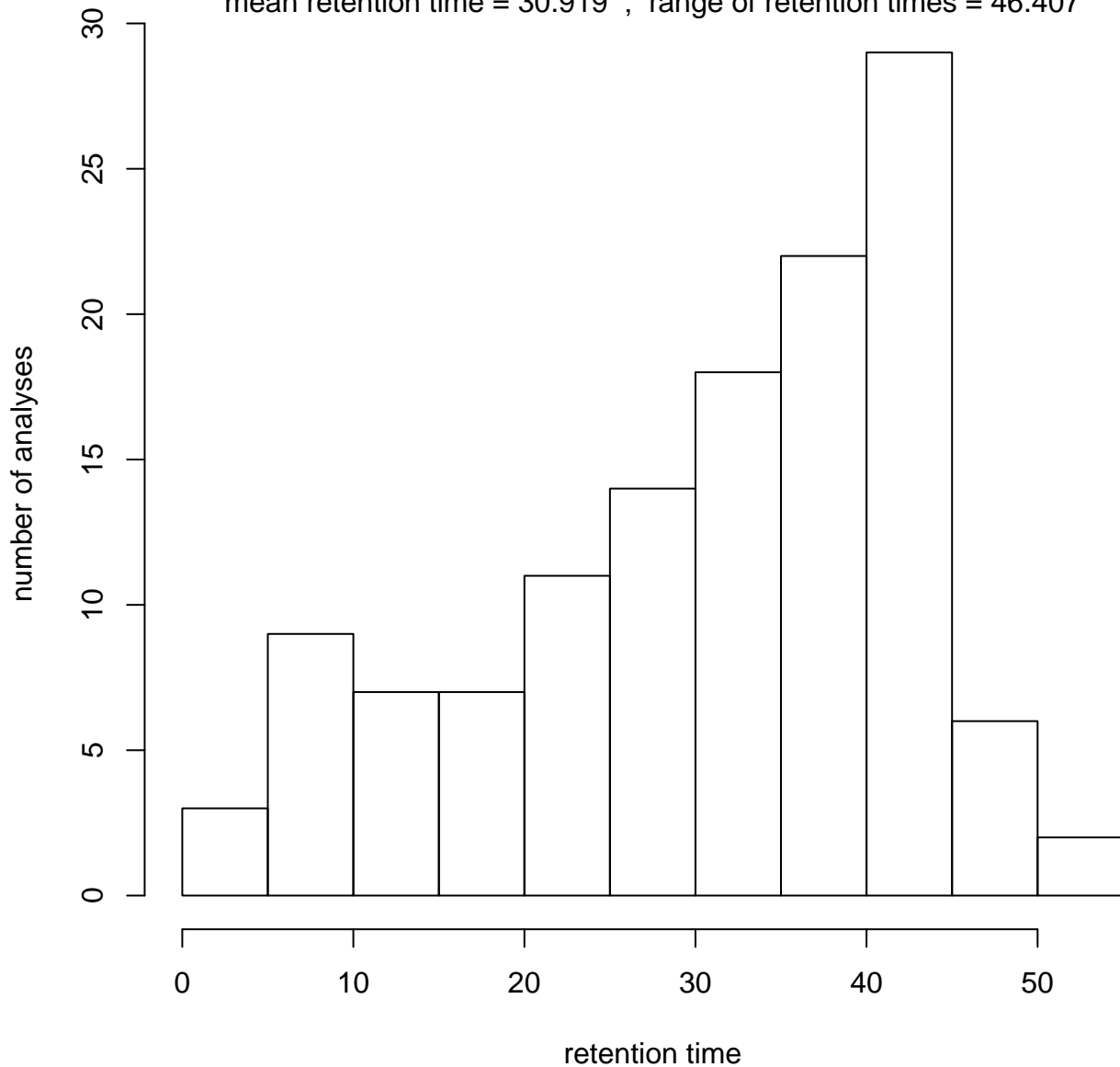
Distribution of retention time for the cluster 42

mean retention time = 36.866 ; range of retention times = 46.84



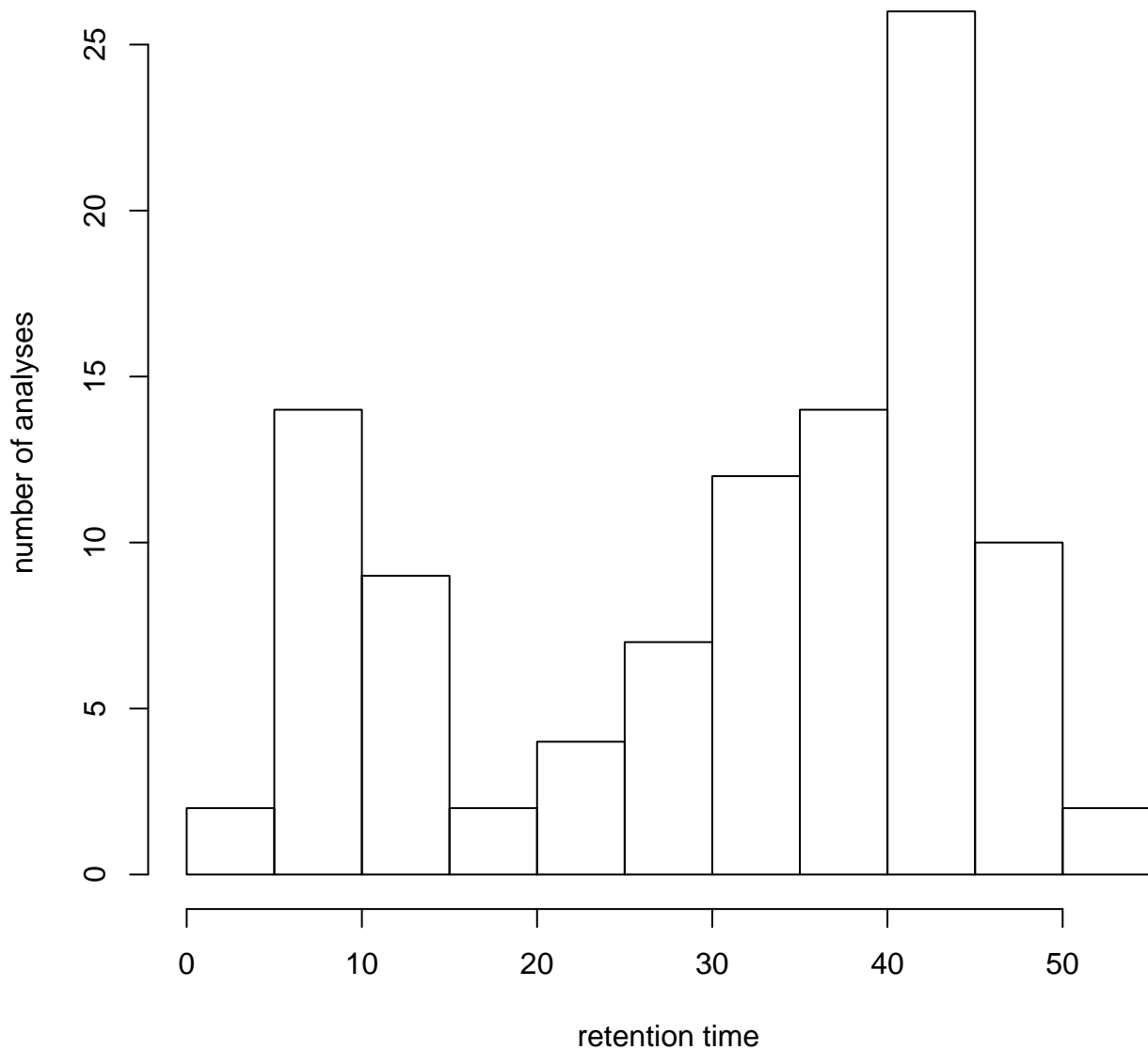
Distribution of retention time for the cluster 43

mean retention time = 30.919 ; range of retention times = 46.407



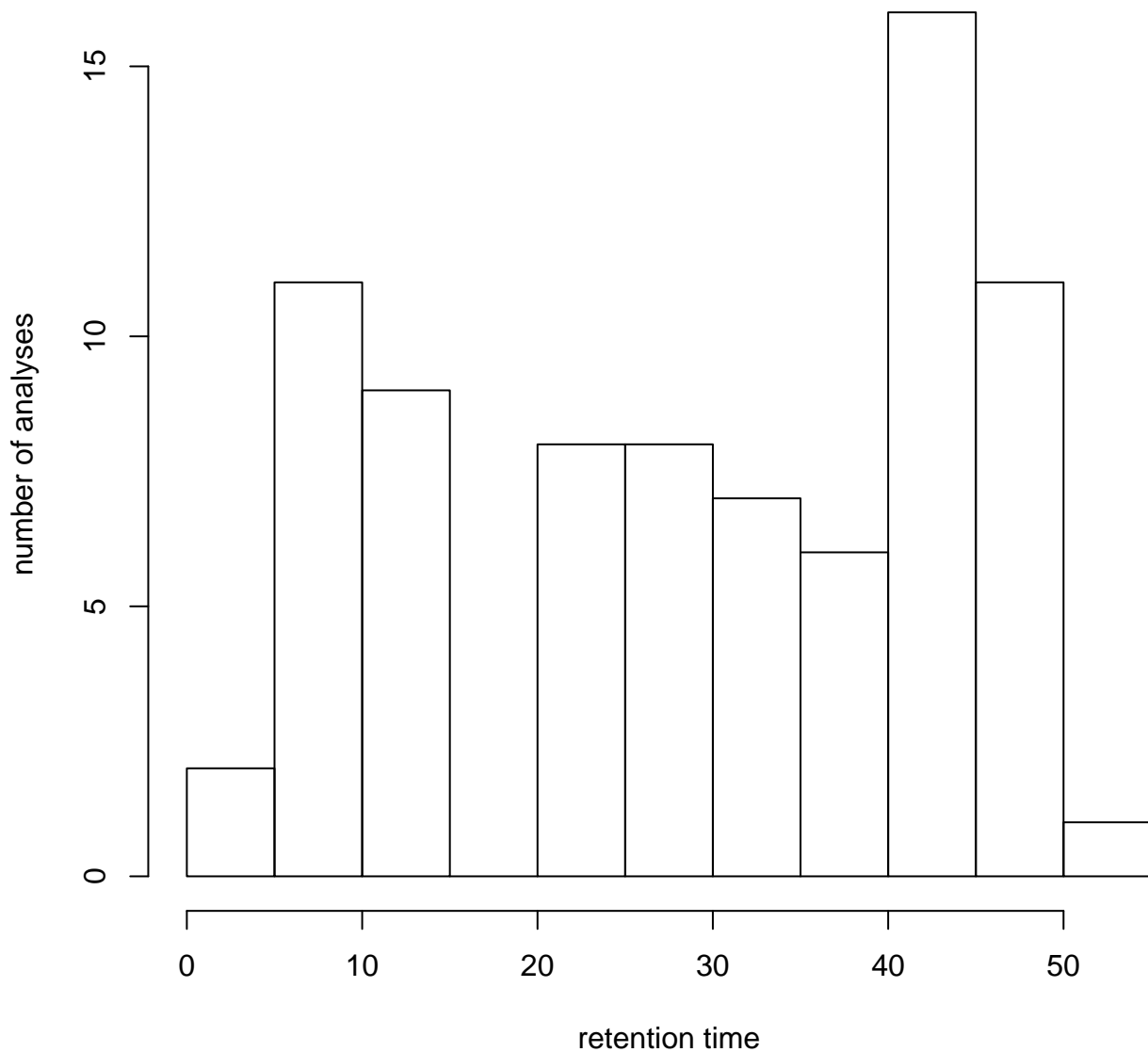
Distribution of retention time for the cluster 44

mean retention time = 30.814 ; range of retention times = 48.408



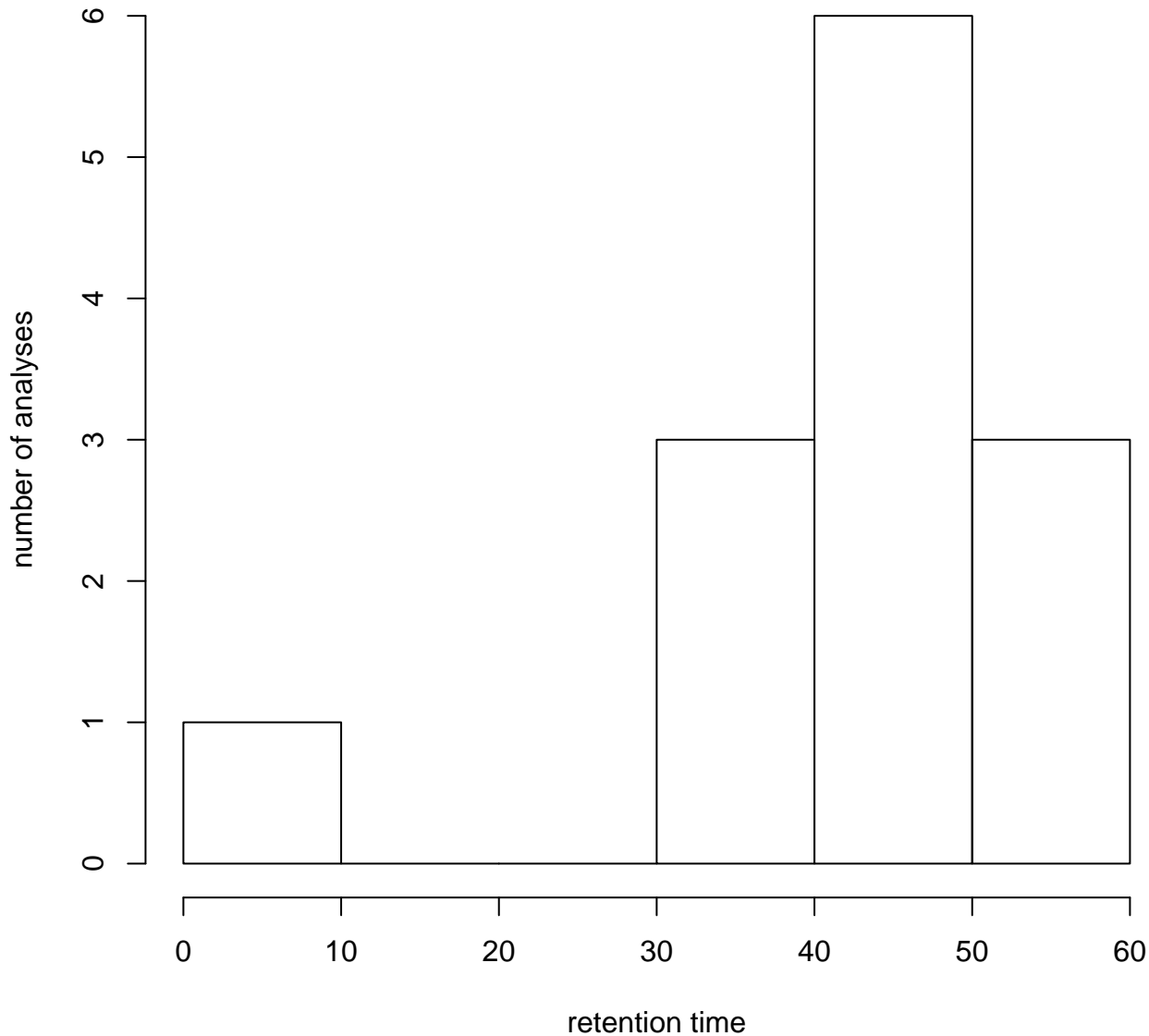
Distribution of retention time for the cluster 45

mean retention time = 29.541 ; range of retention times = 47.011



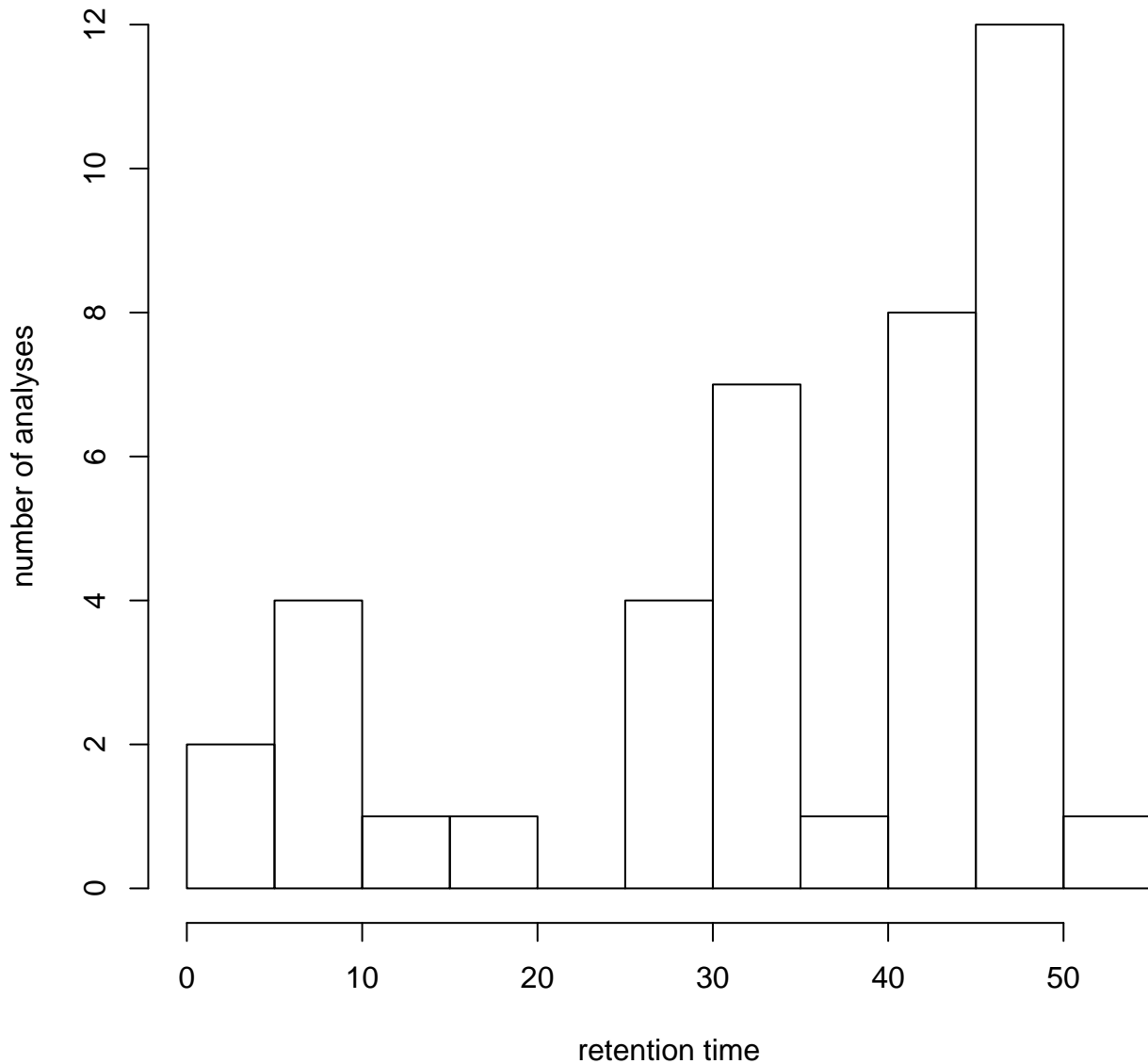
Distribution of retention time for the cluster 46

mean retention time = 41.278 ; range of retention times = 43.763



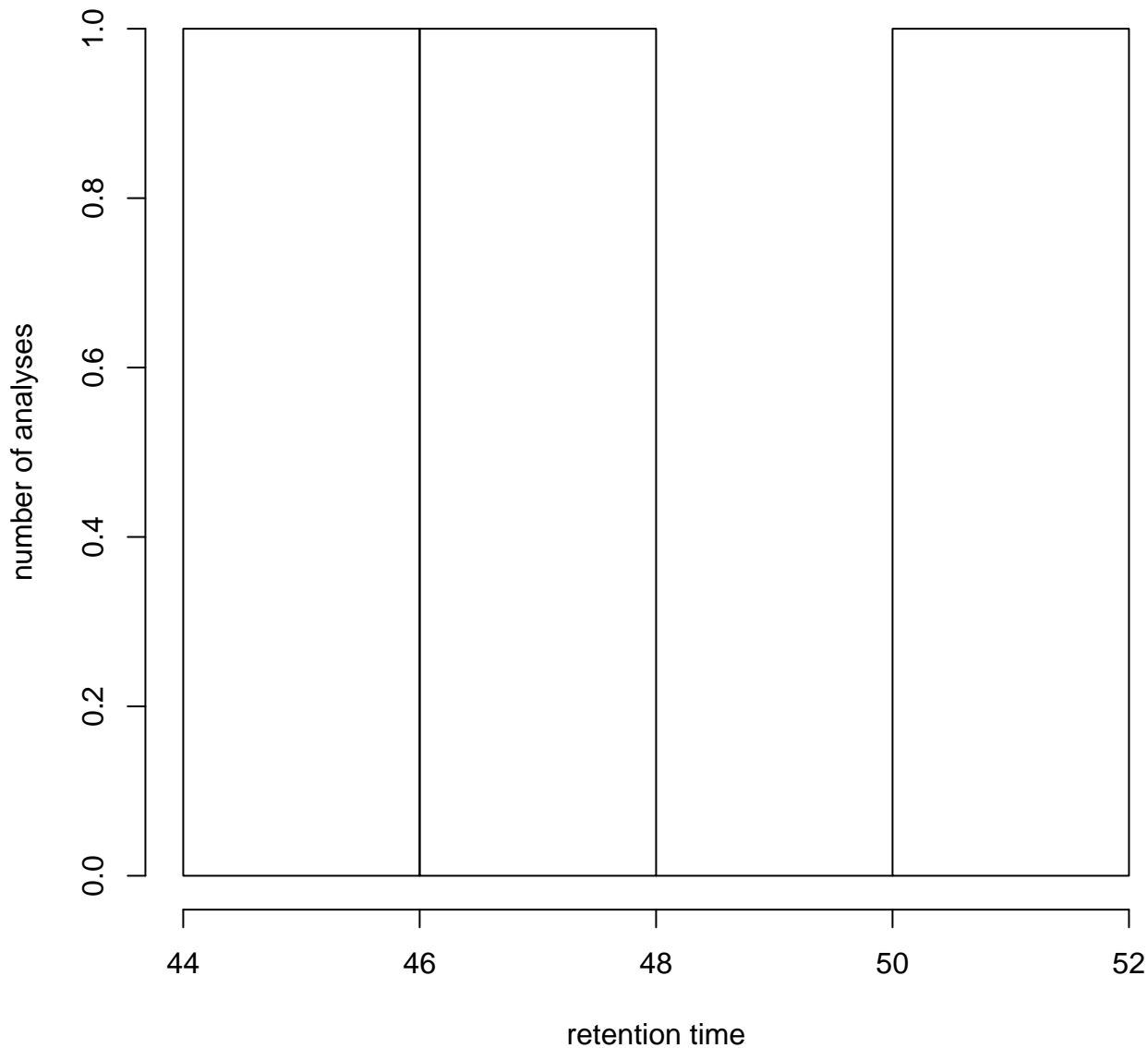
Distribution of retention time for the cluster 47

mean retention time = 34.436 ; range of retention times = 48.477



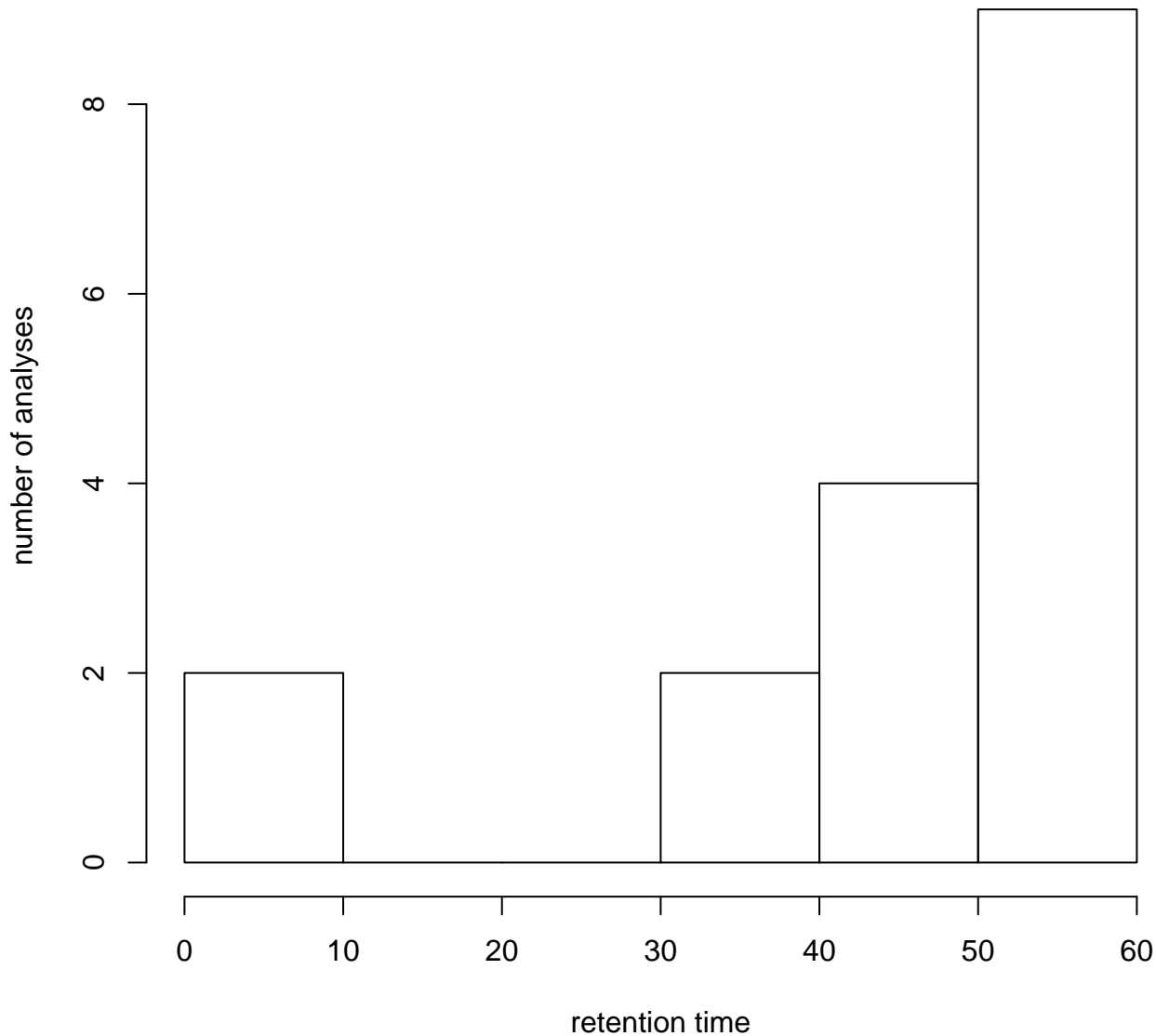
Distribution of retention time for the cluster 48

mean retention time = 47.693 ; range of retention times = 5.815



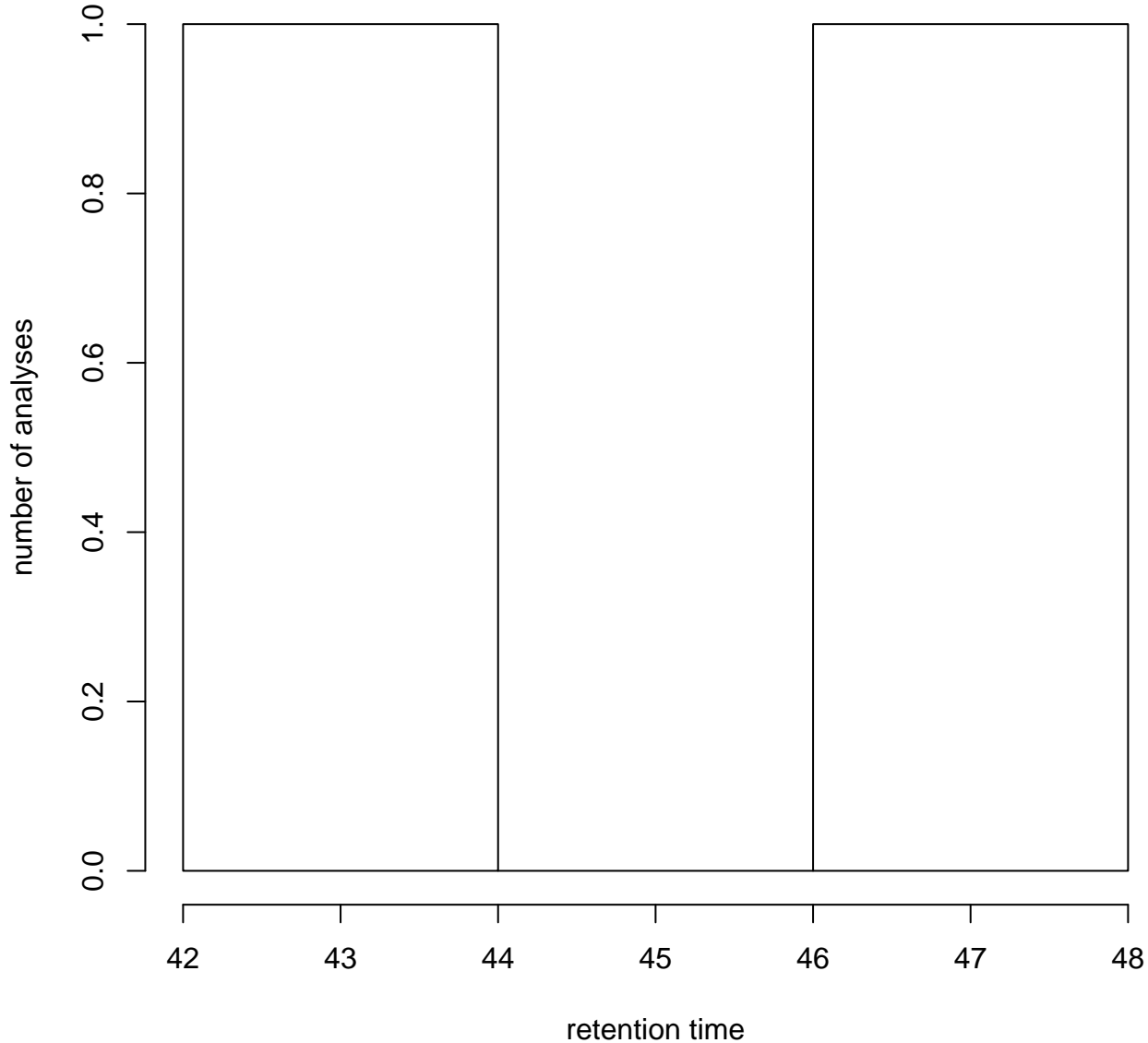
Distribution of retention time for the cluster 49

mean retention time = 42.812 ; range of retention times = 45.209



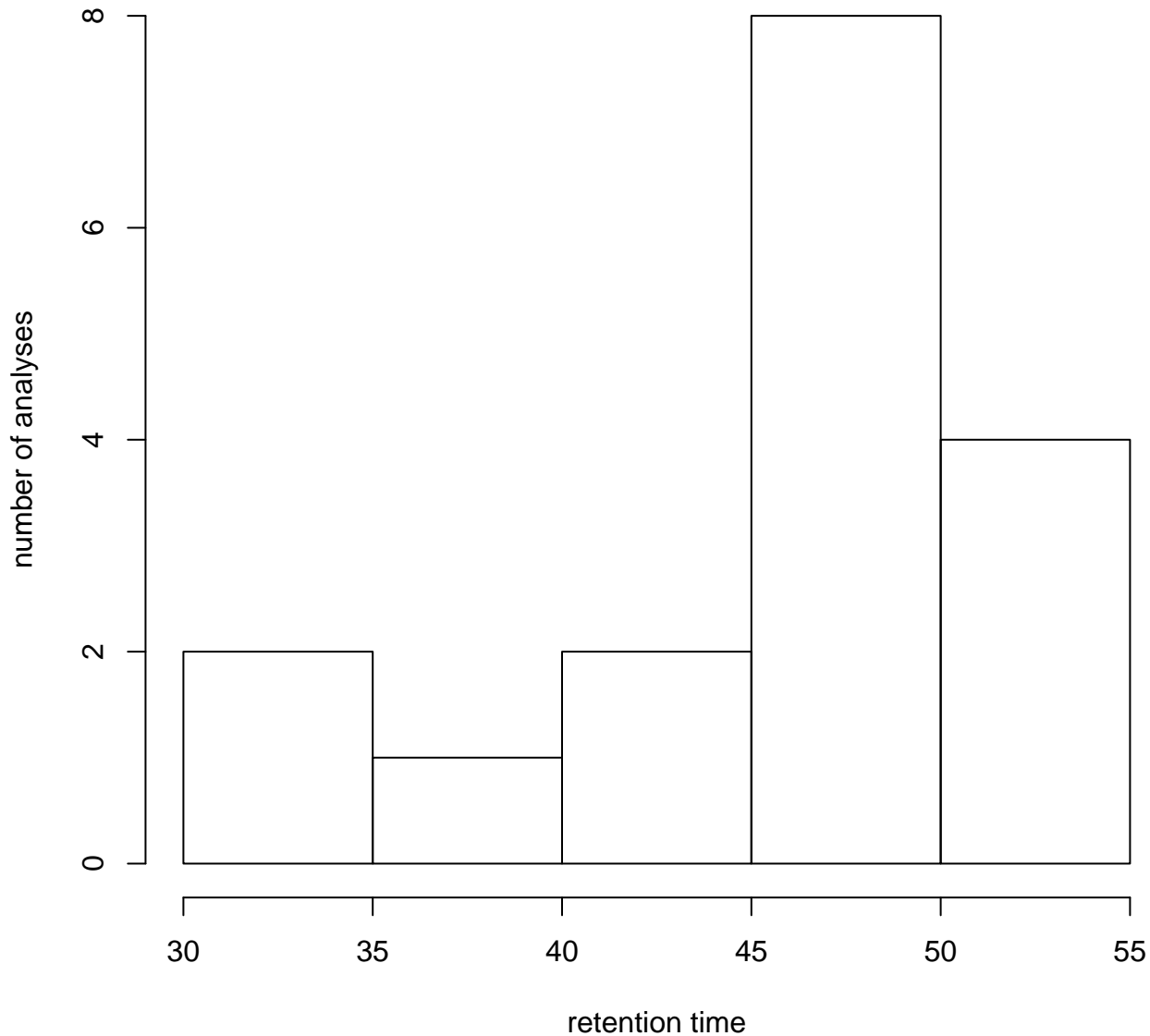
Distribution of retention time for the cluster 50

mean retention time = 44.929 ; range of retention times = 3.024



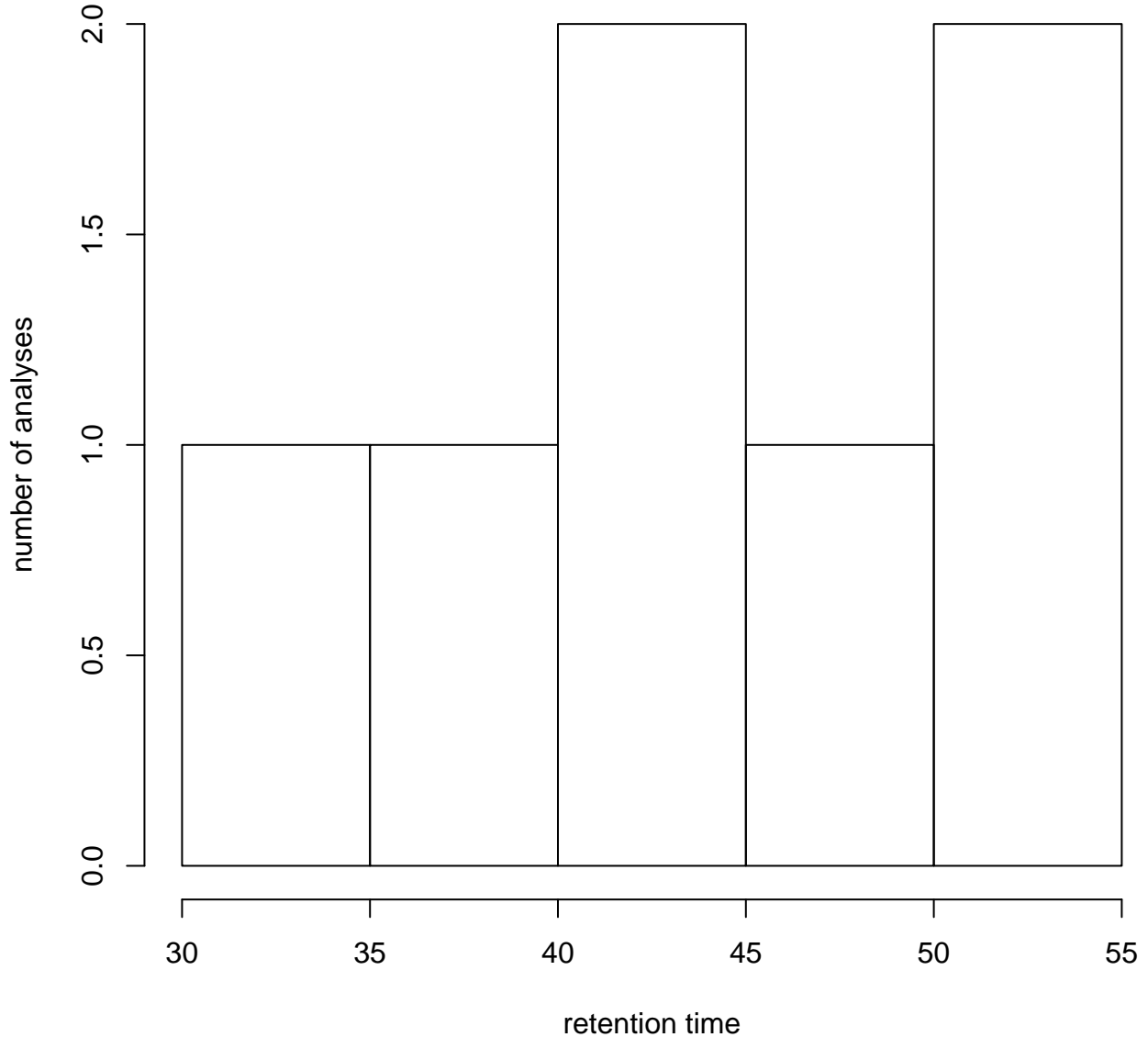
Distribution of retention time for the cluster 51

mean retention time = 45.752 ; range of retention times = 19.416



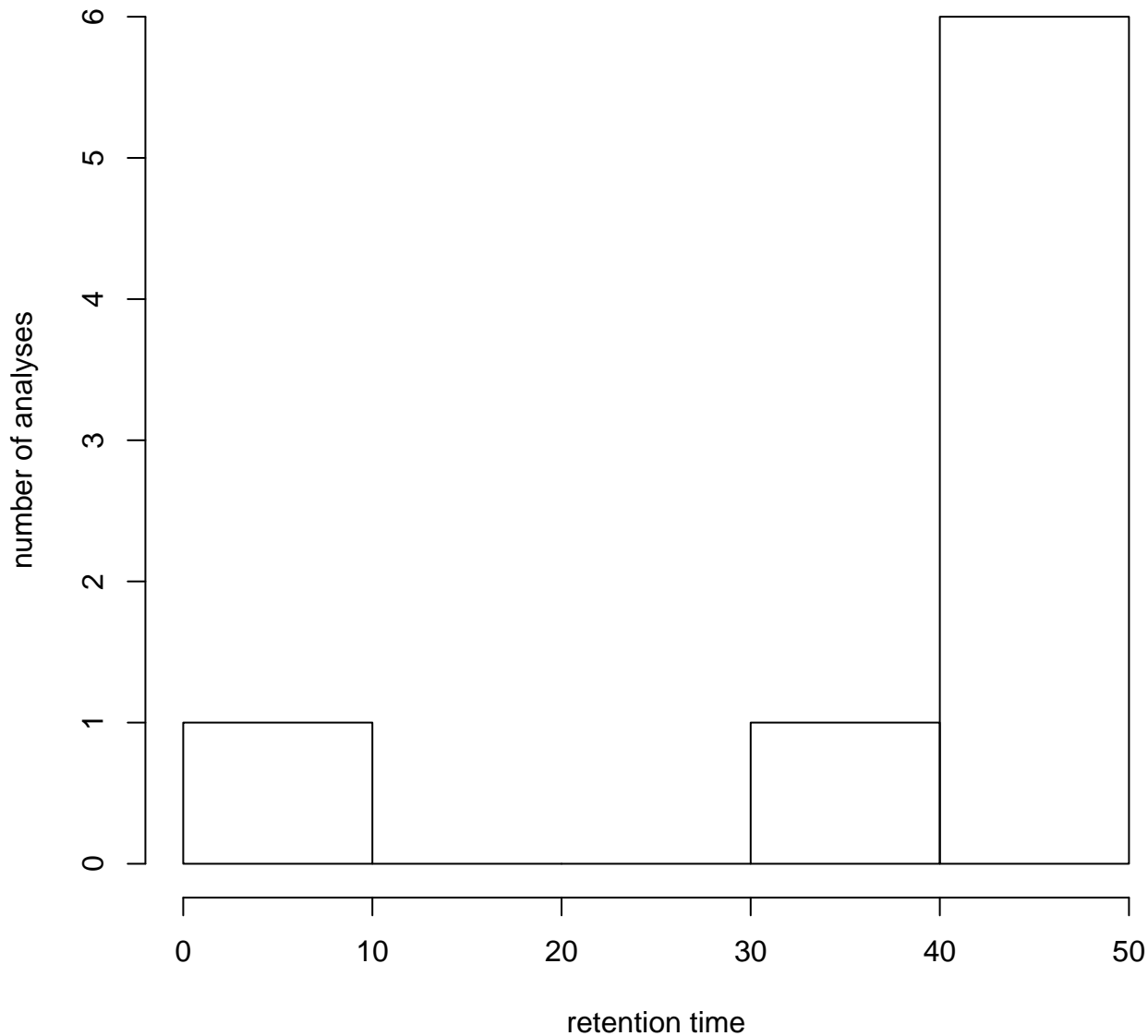
Distribution of retention time for the cluster 52

mean retention time = 43.455 ; range of retention times = 20.453



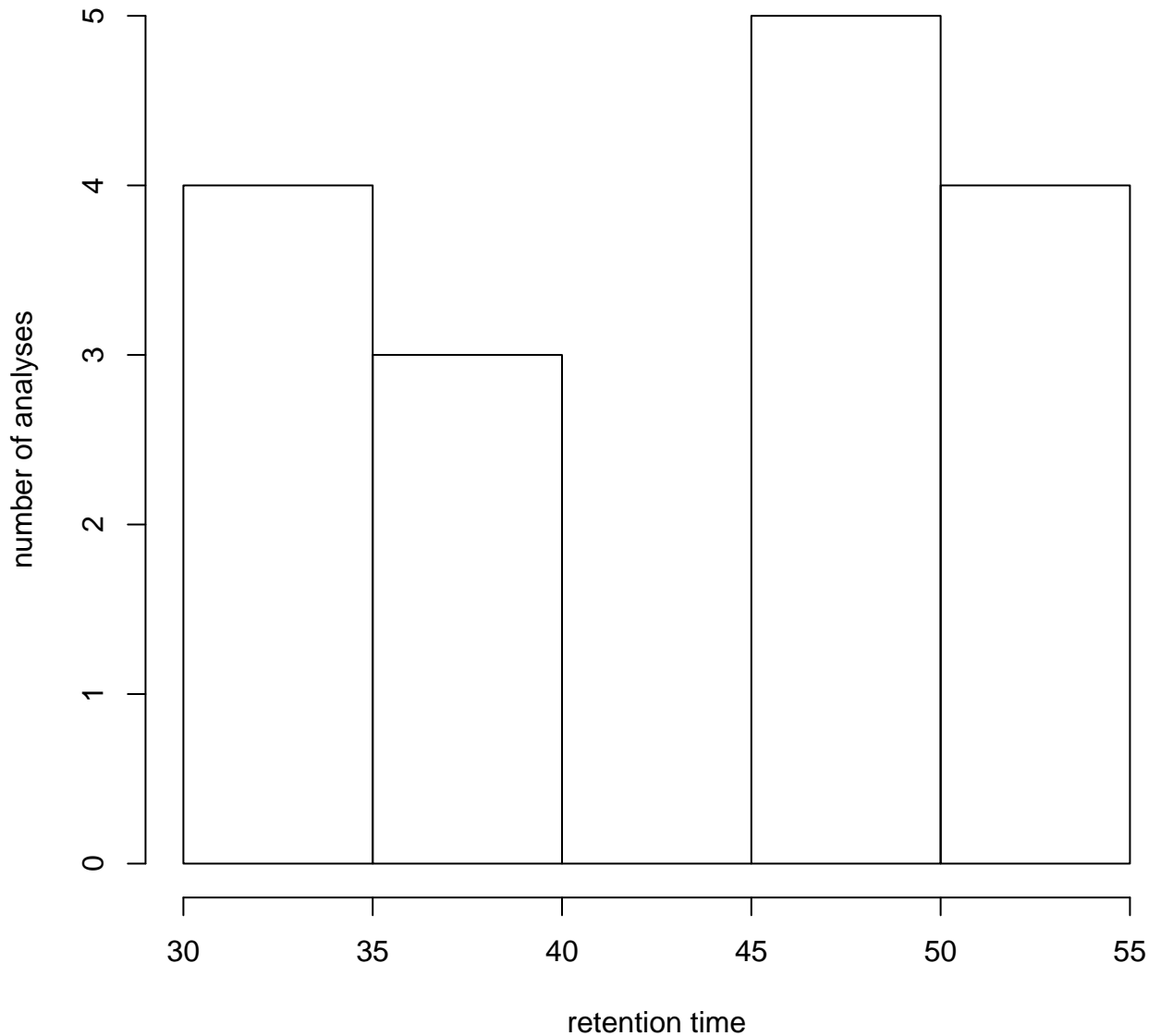
Distribution of retention time for the cluster 53

mean retention time = 41.853 ; range of retention times = 41.773



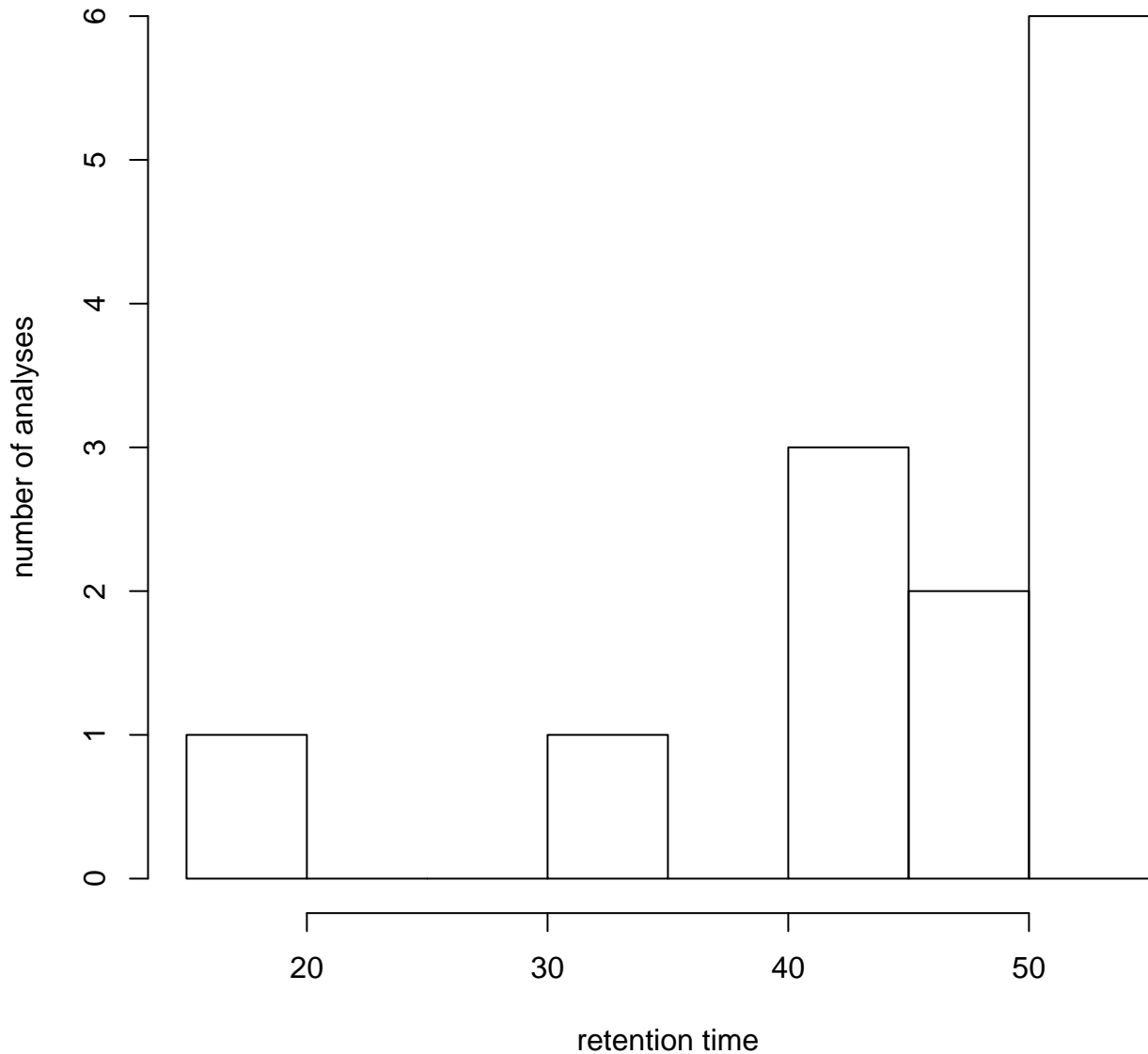
Distribution of retention time for the cluster 54

mean retention time = 42.872 ; range of retention times = 20.461



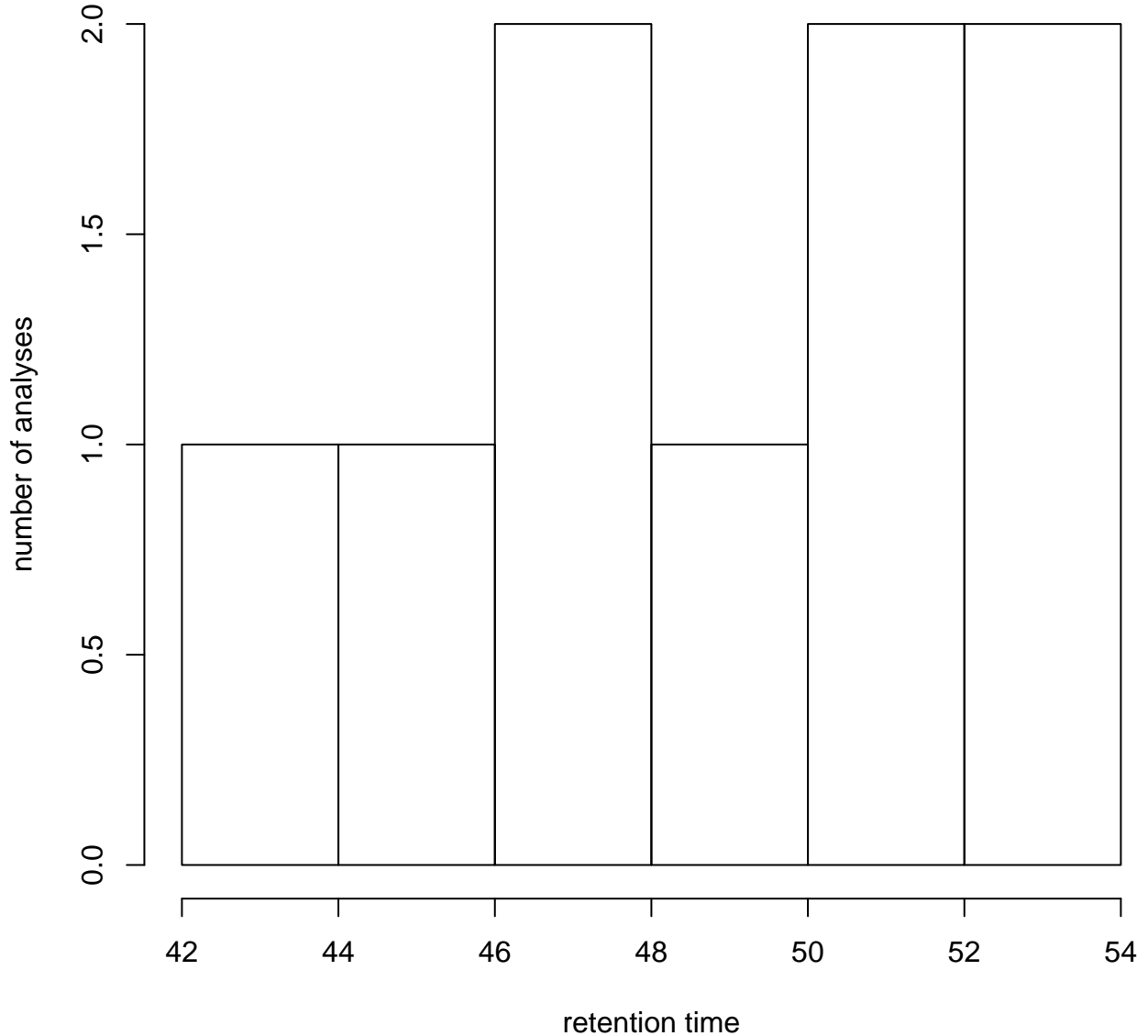
Distribution of retention time for the cluster 55

mean retention time = 44.666 ; range of retention times = 32.826



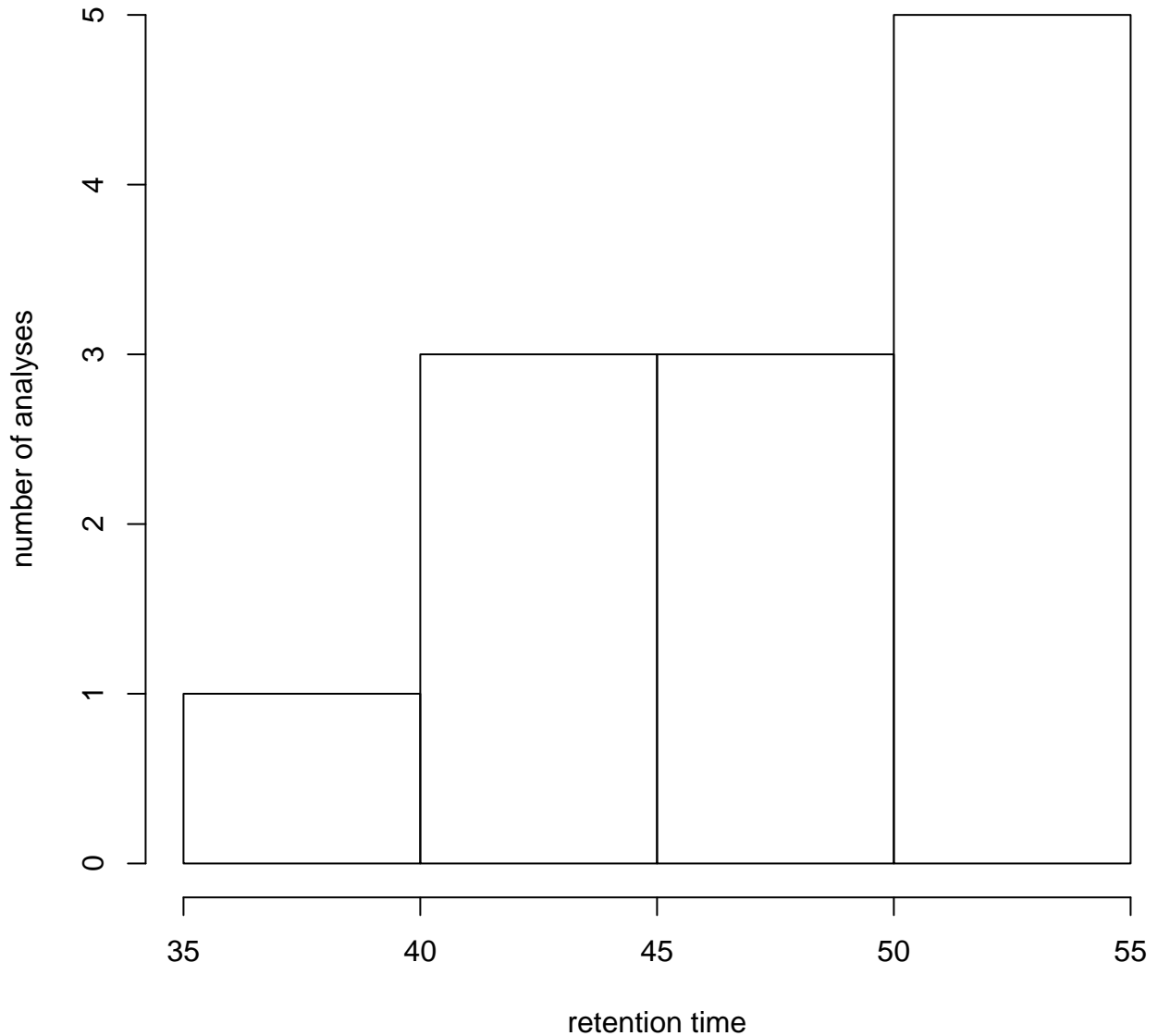
Distribution of retention time for the cluster 56

mean retention time = 48.91 ; range of retention times = 9.992



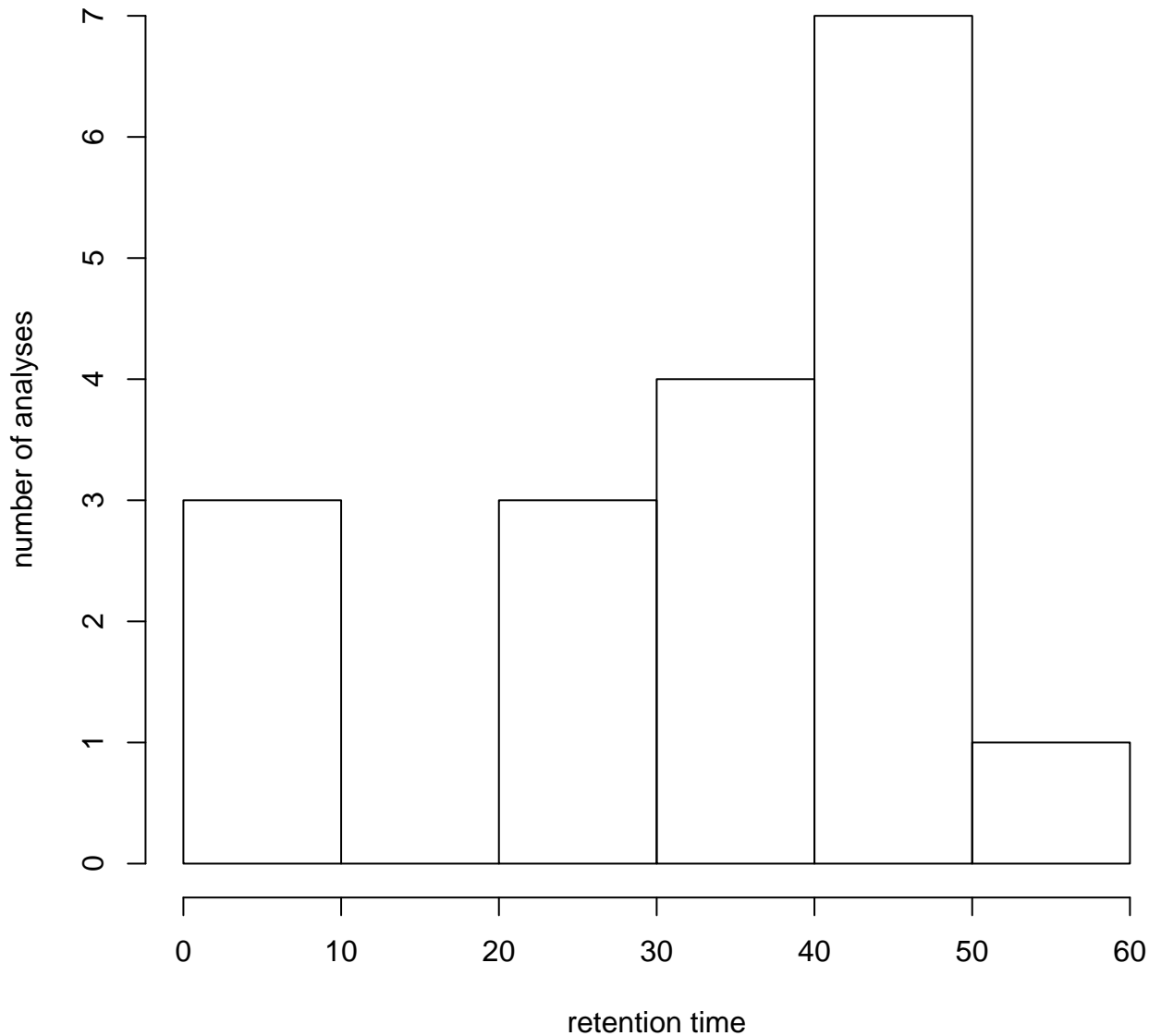
Distribution of retention time for the cluster 57

mean retention time = 46.892 ; range of retention times = 16.874



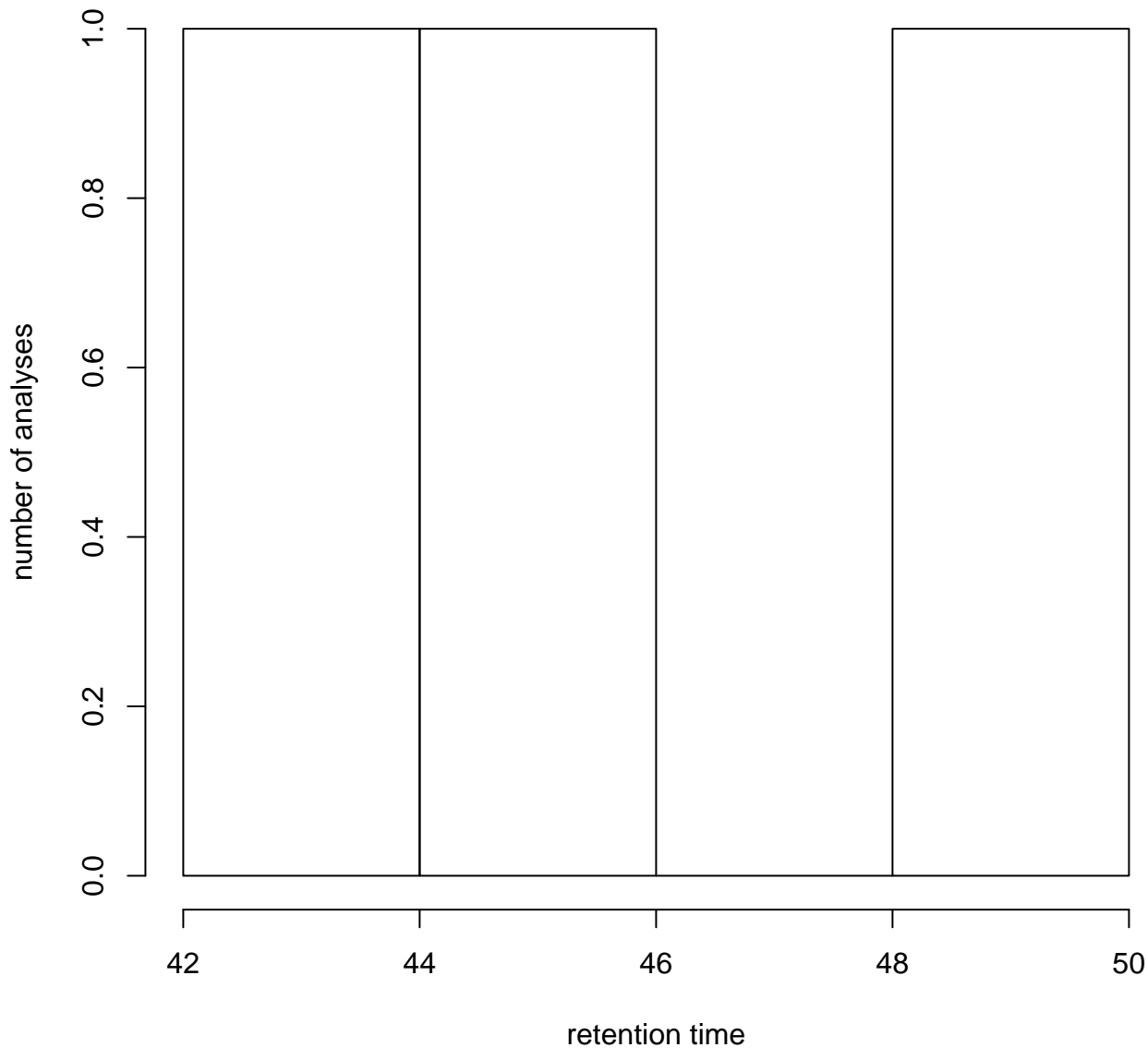
Distribution of retention time for the cluster 58

mean retention time = 34.441 ; range of retention times = 45.659



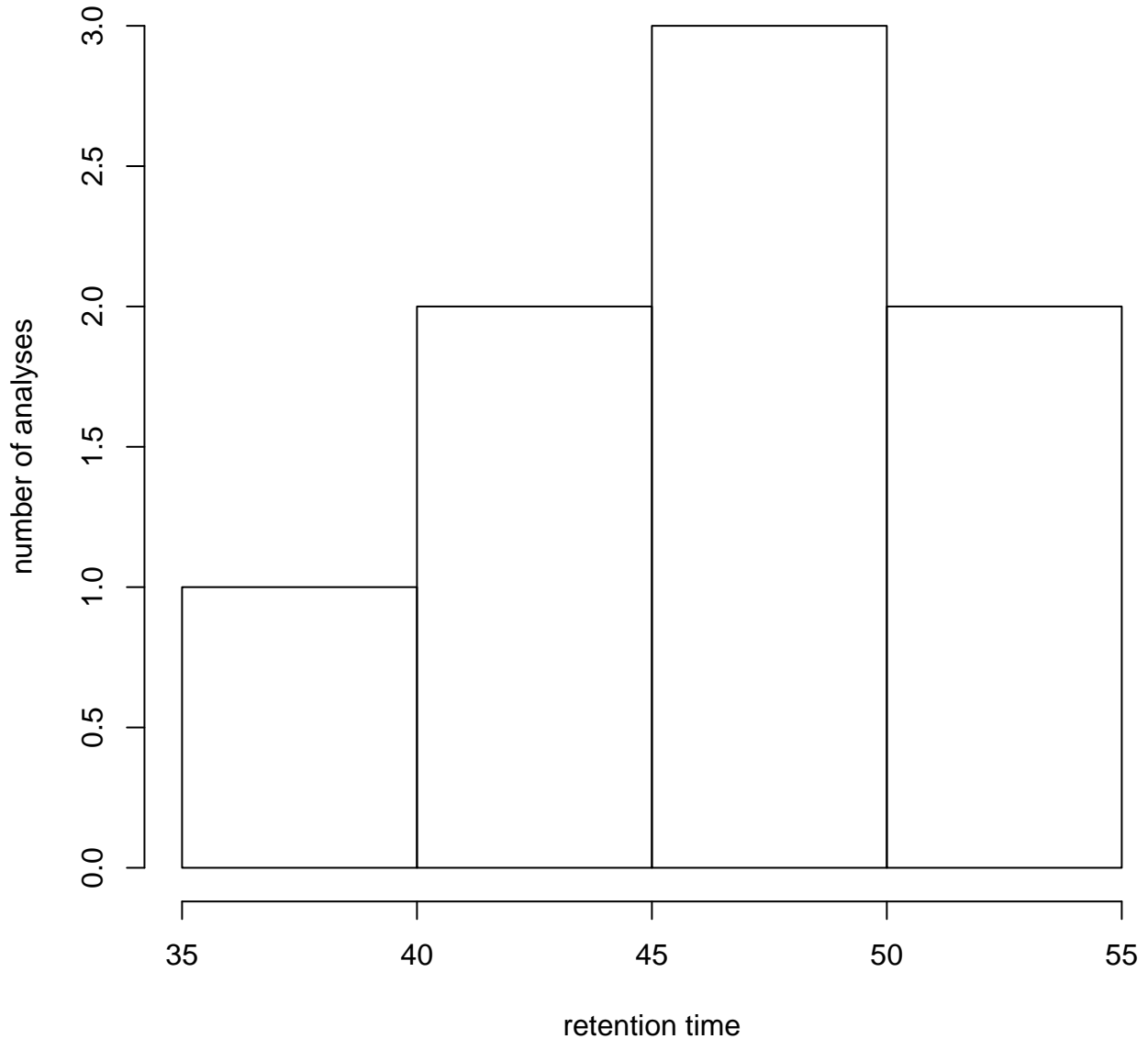
Distribution of retention time for the cluster 59

mean retention time = 45.521 ; range of retention times = 5.246



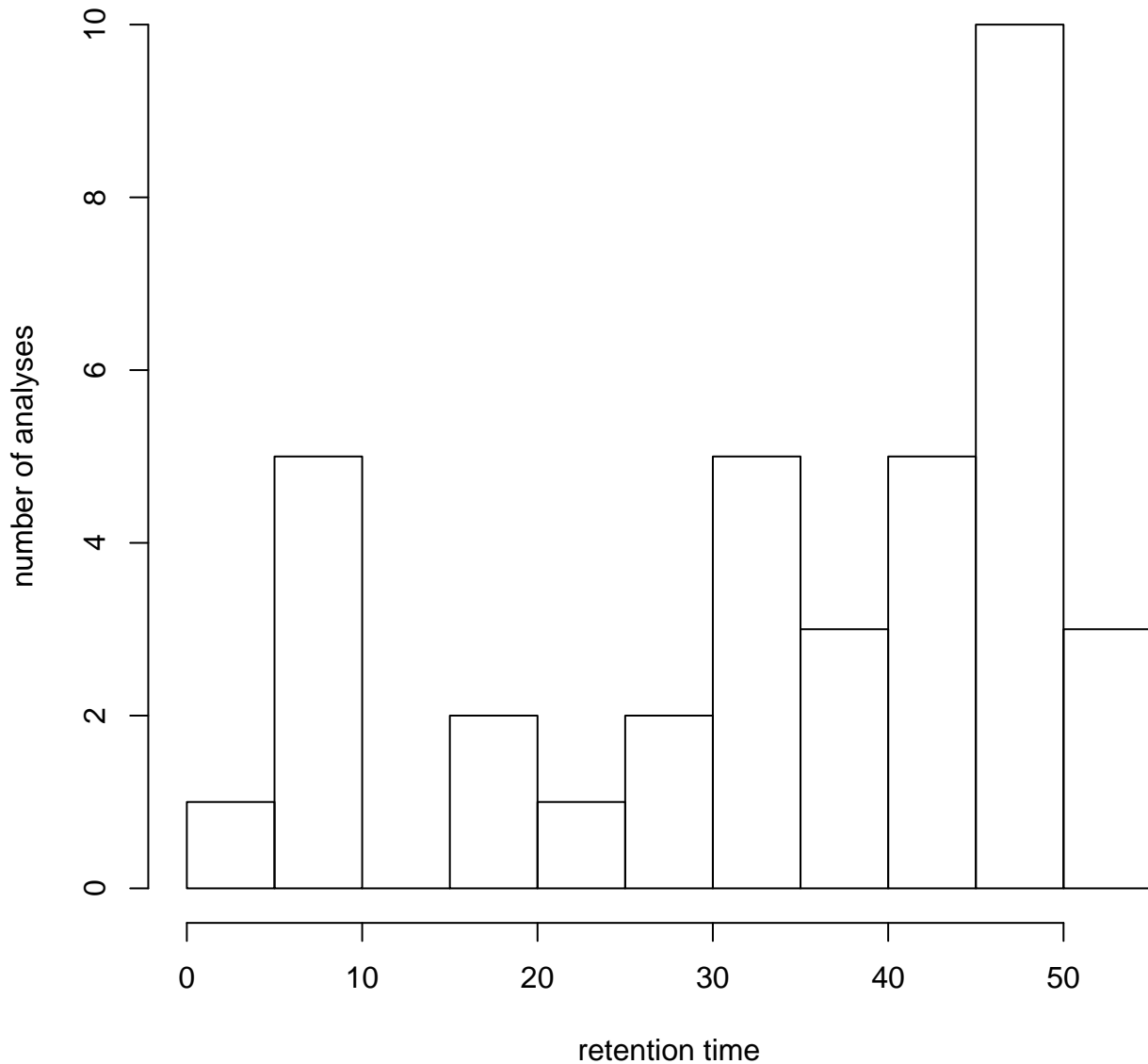
Distribution of retention time for the cluster 60

mean retention time = 45.919 ; range of retention times = 17.108



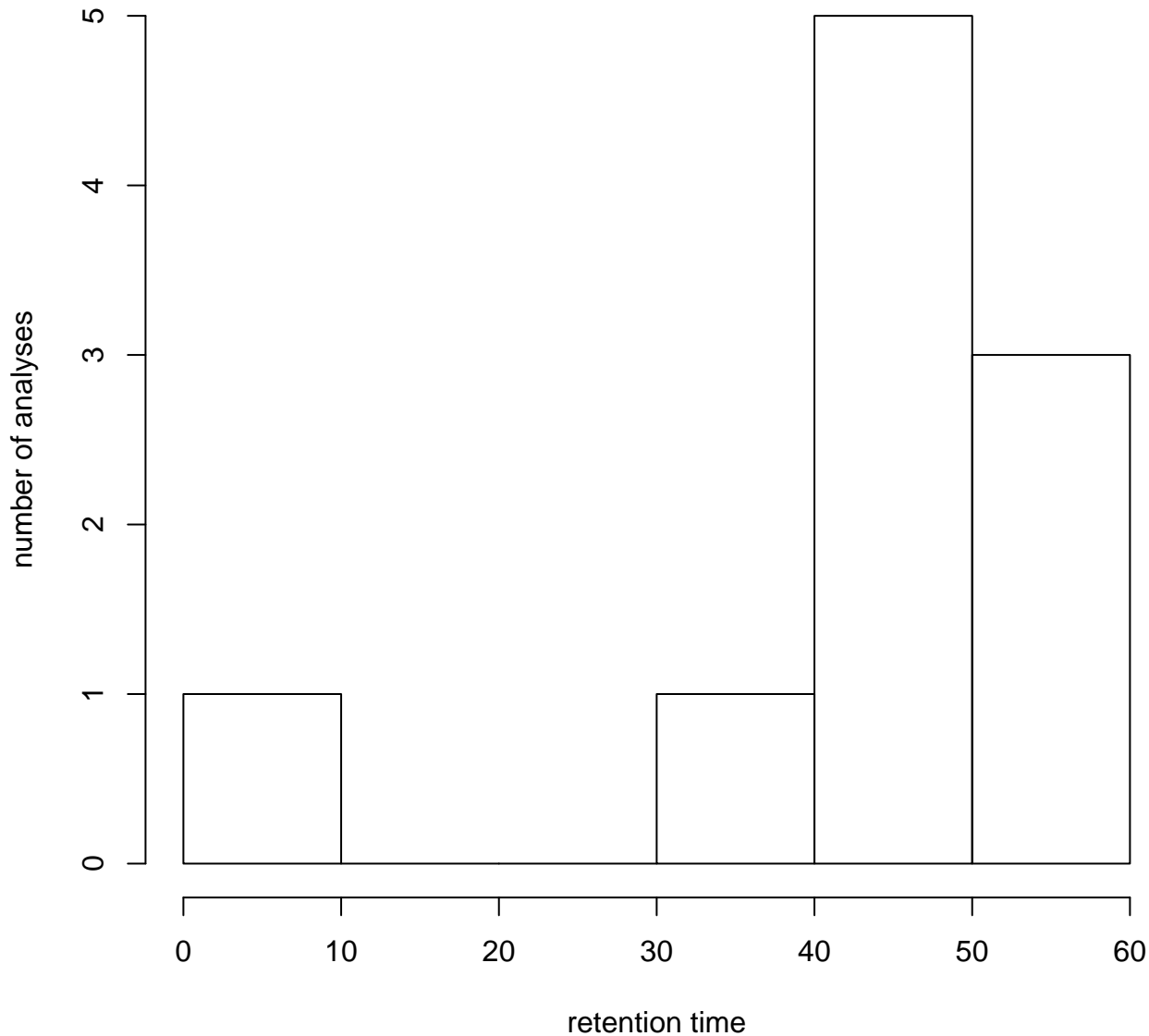
Distribution of retention time for the cluster 61

mean retention time = 34.409 ; range of retention times = 47.019



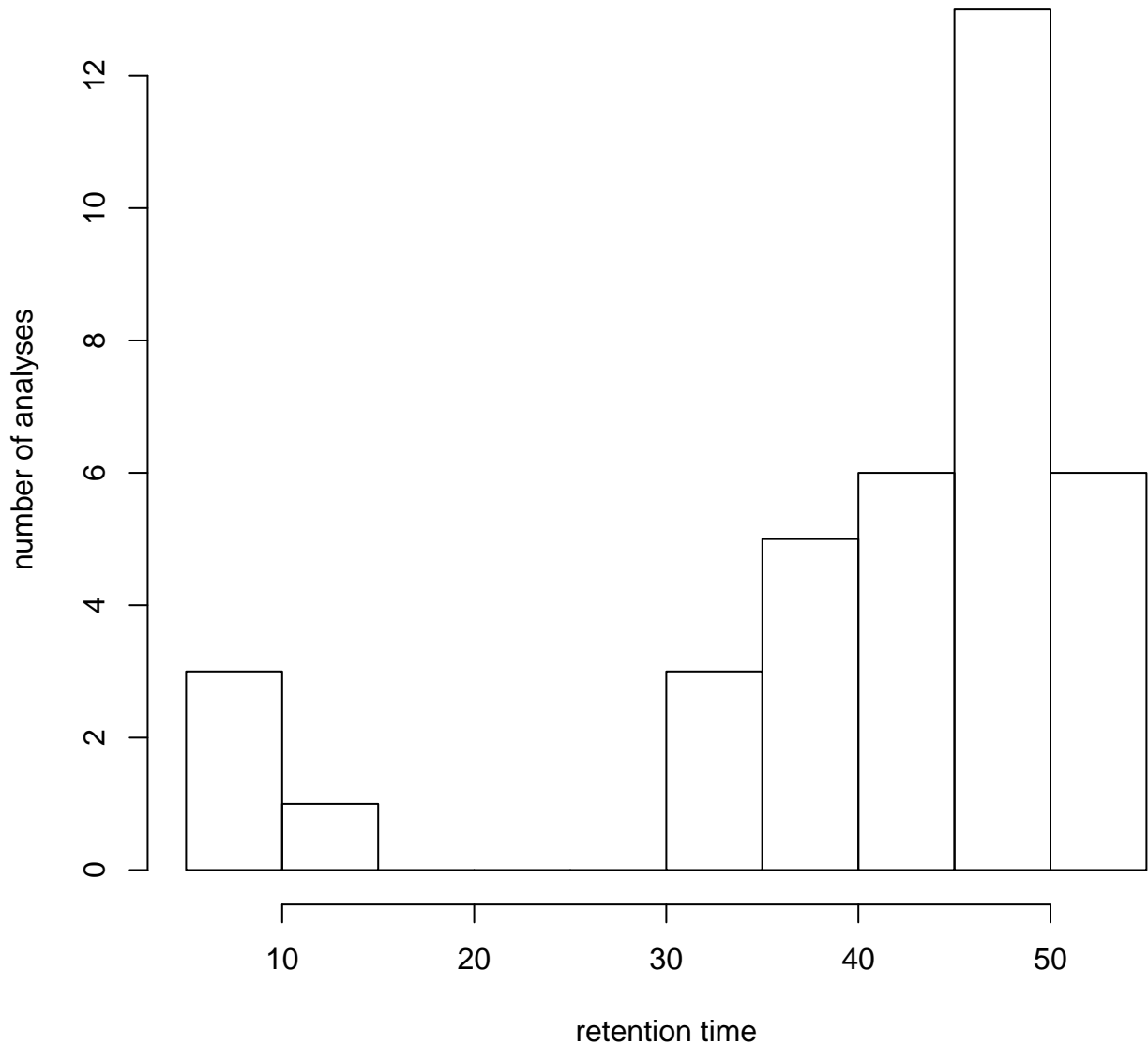
Distribution of retention time for the cluster 62

mean retention time = 42.501 ; range of retention times = 45.615



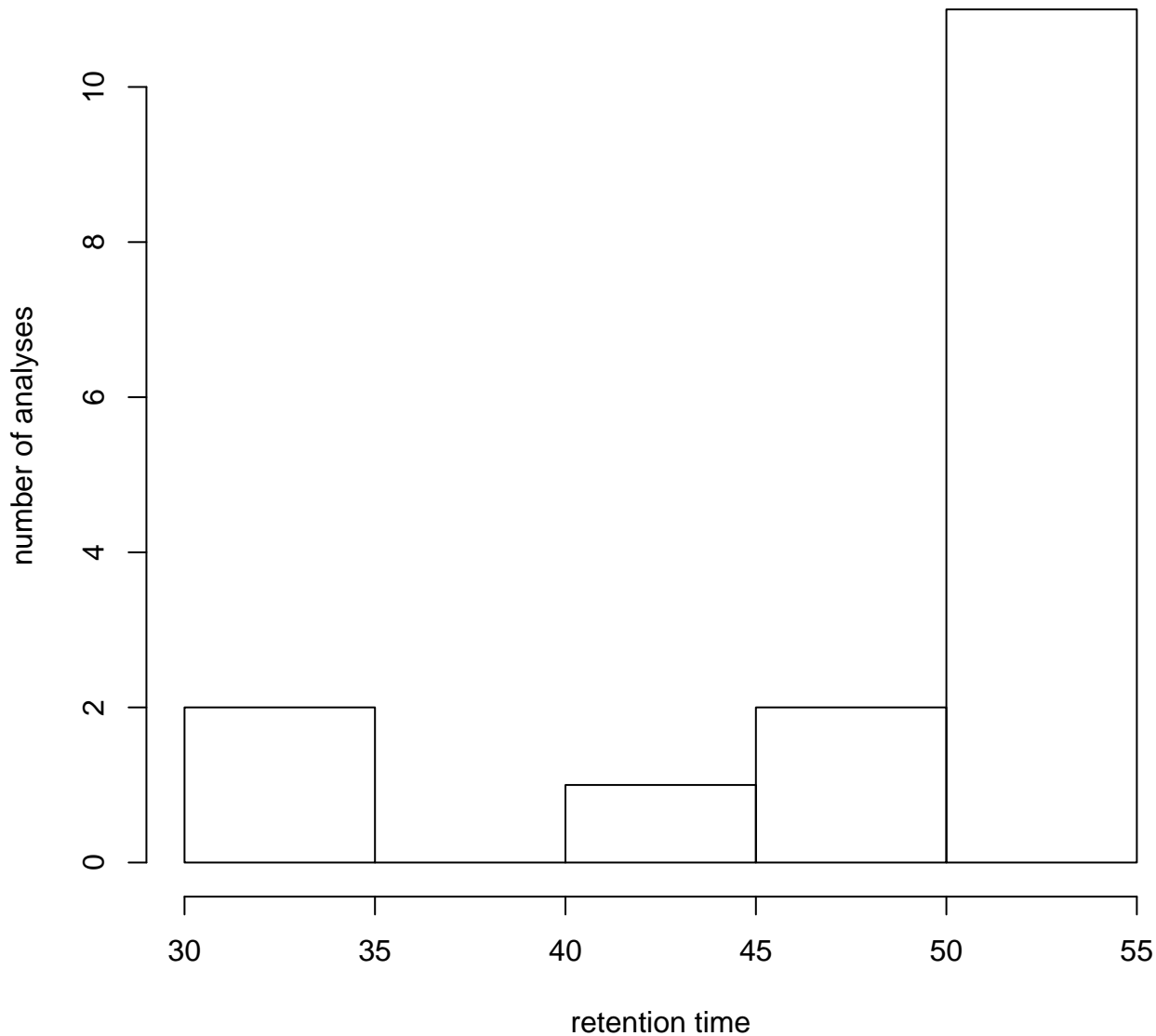
Distribution of retention time for the cluster 63

mean retention time = 40.722 ; range of retention times = 44.356



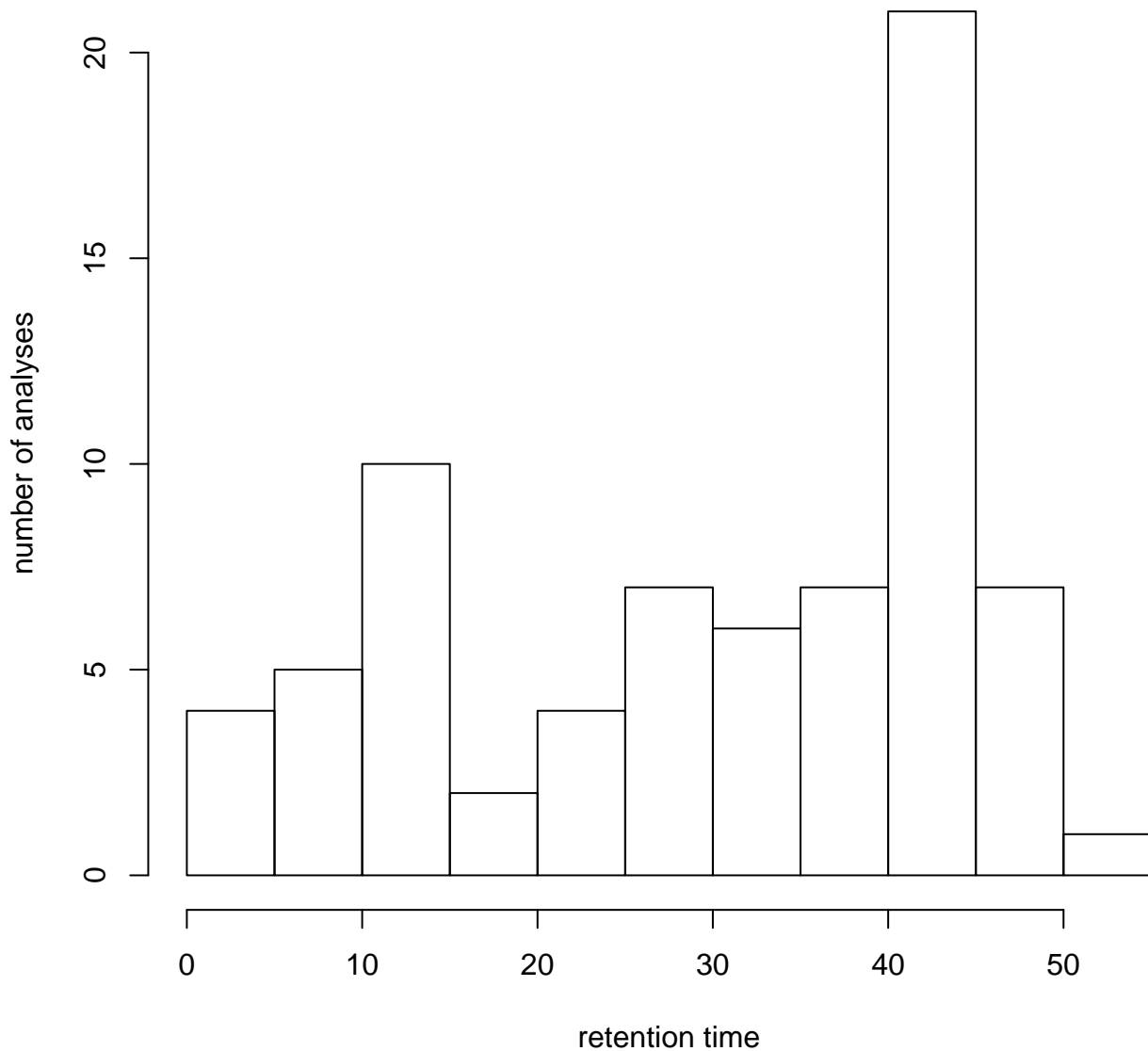
Distribution of retention time for the cluster 64

mean retention time = 47.848 ; range of retention times = 20.643



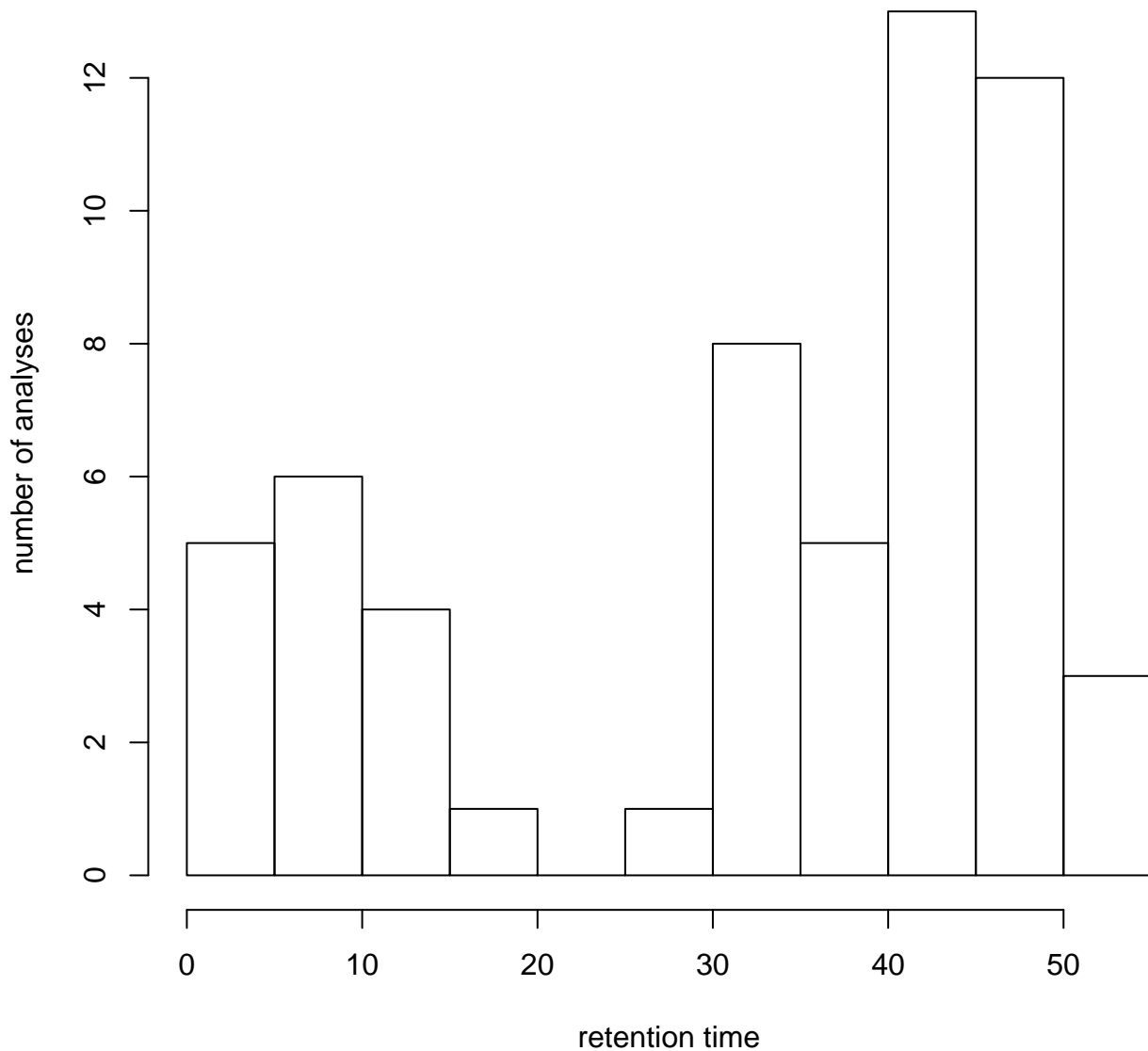
Distribution of retention time for the cluster 65

mean retention time = 30.155 ; range of retention times = 45.644



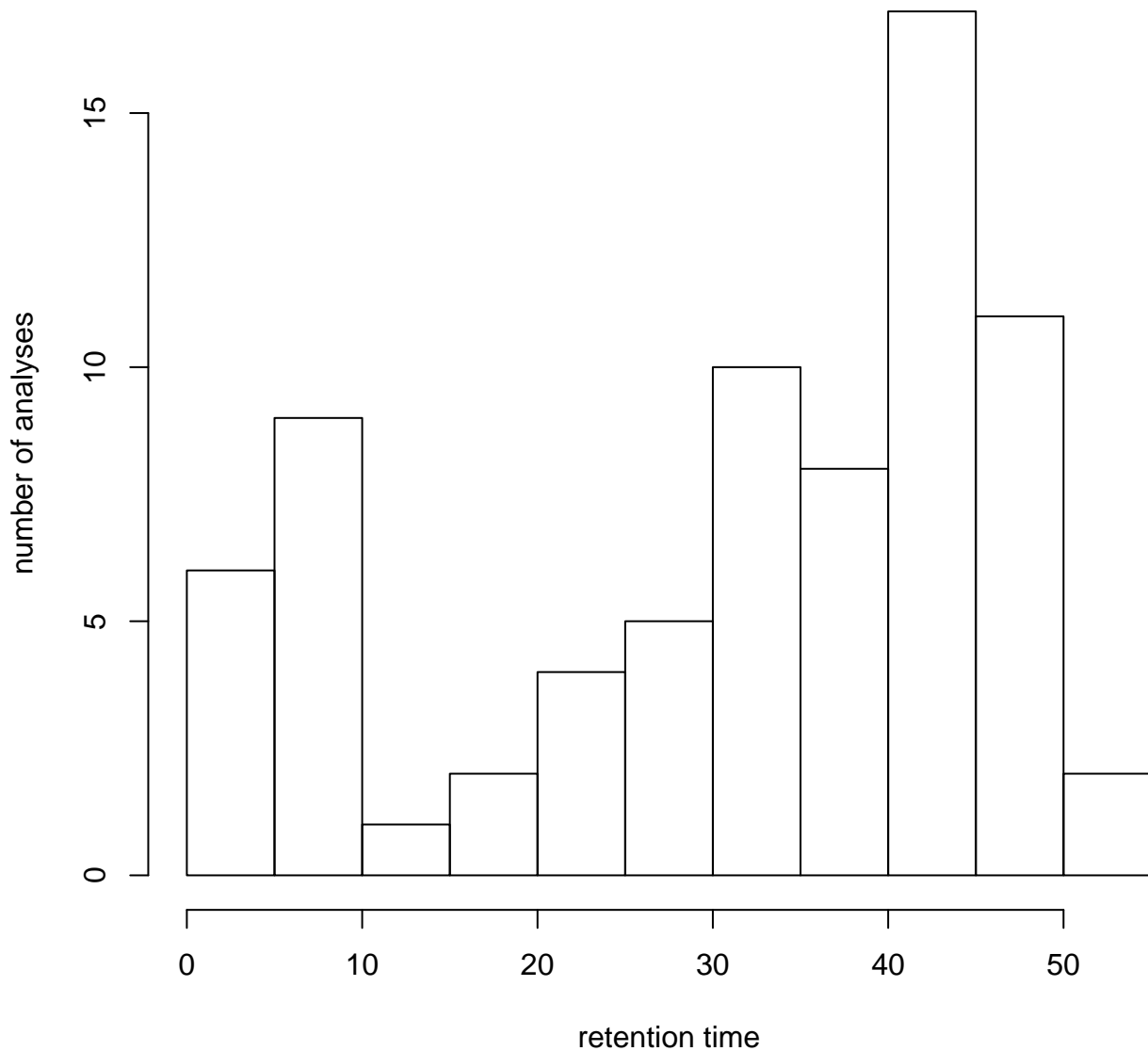
Distribution of retention time for the cluster 66

mean retention time = 32.527 ; range of retention times = 47.074



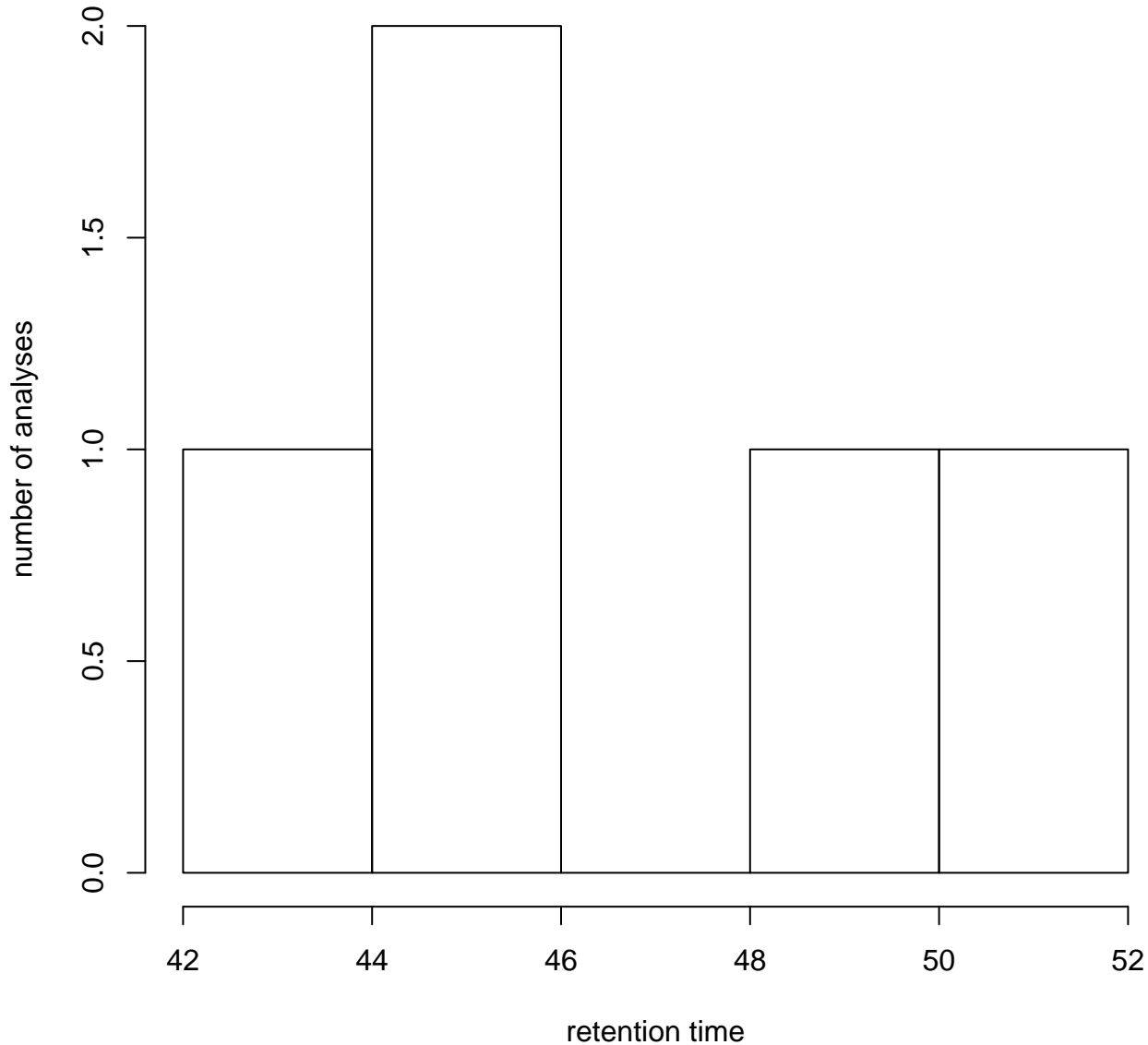
Distribution of retention time for the cluster 67

mean retention time = 31.35 ; range of retention times = 47.047



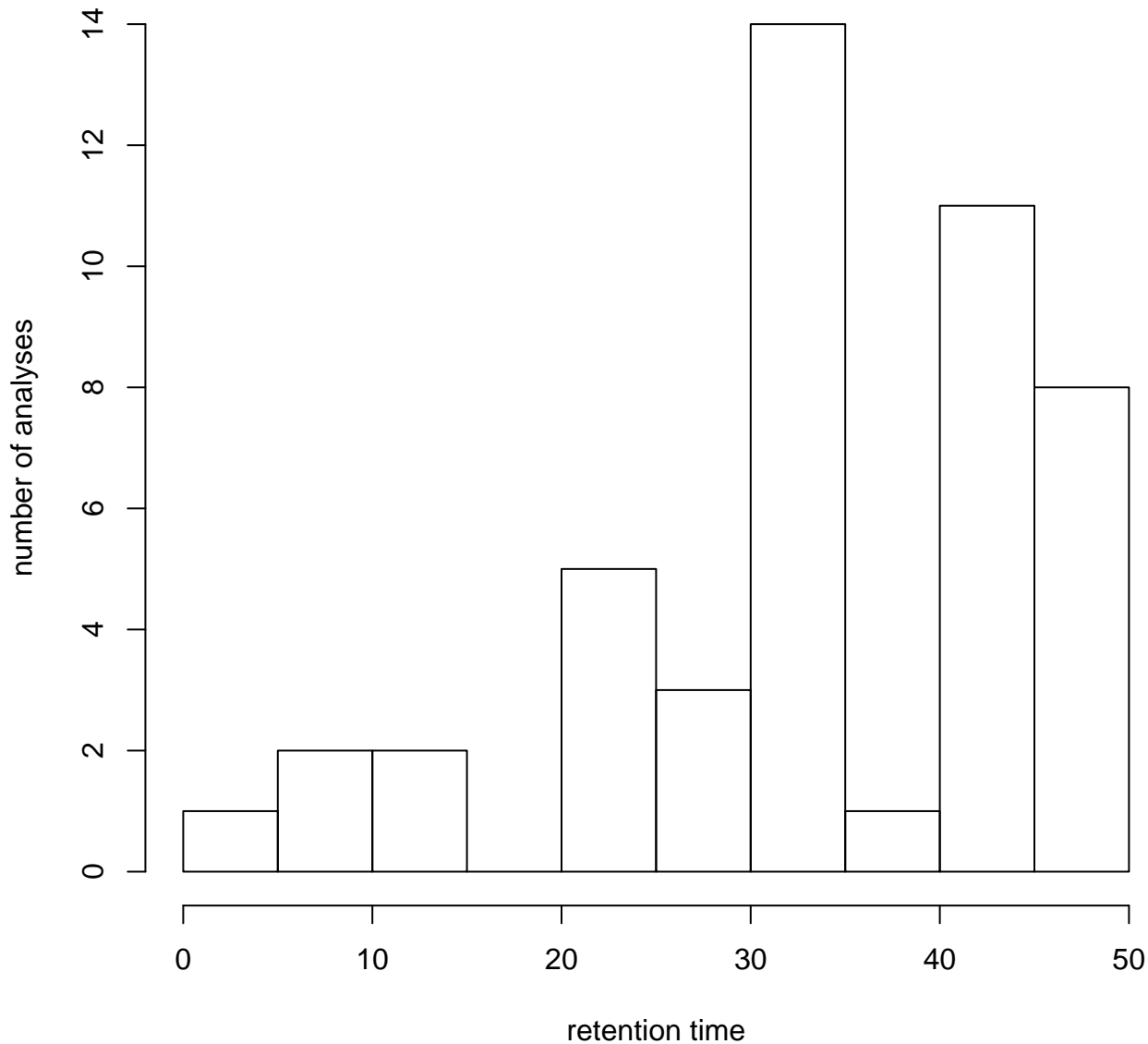
Distribution of retention time for the cluster 68

mean retention time = 46.61 ; range of retention times = 7.974



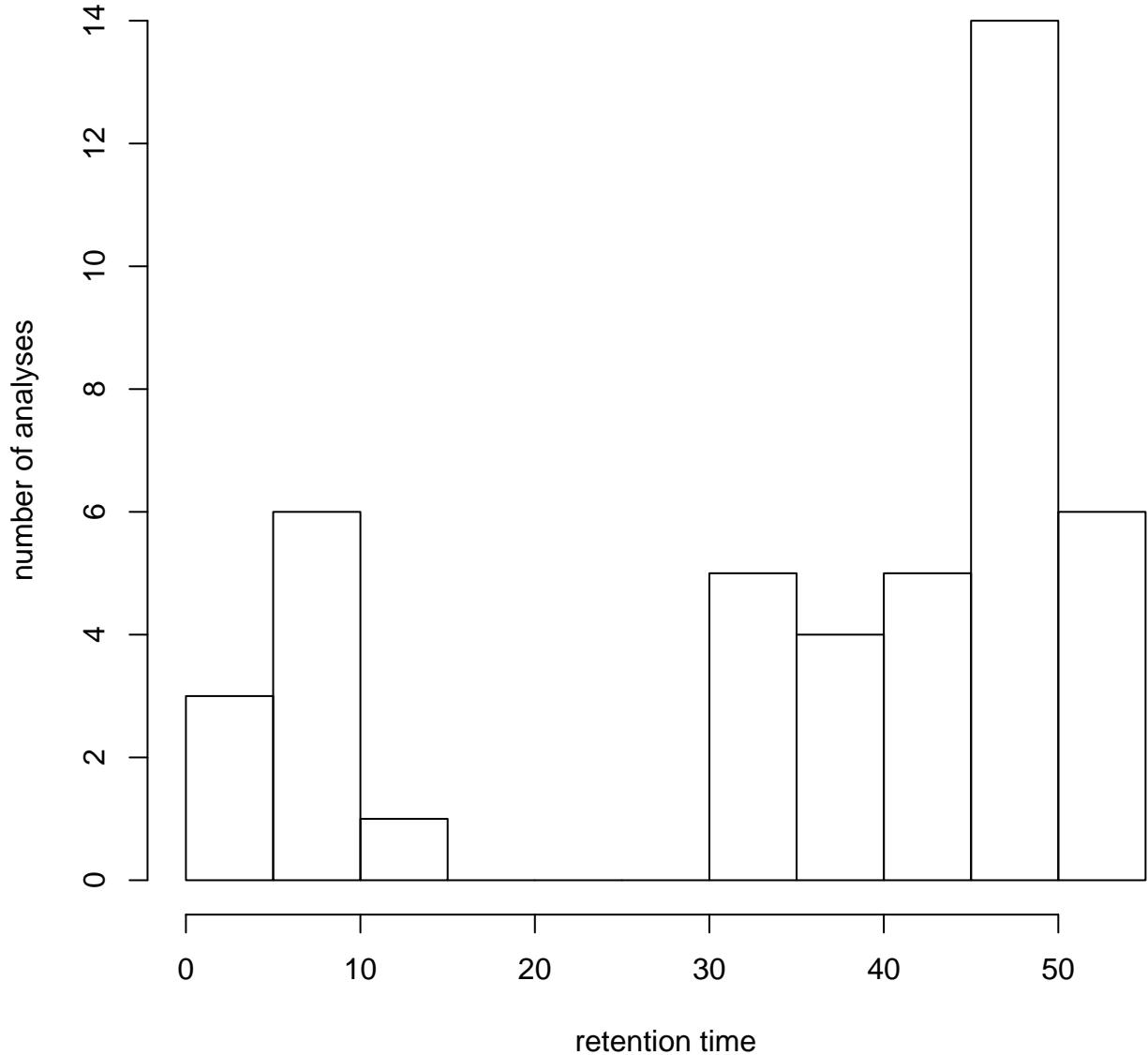
Distribution of retention time for the cluster 69

mean retention time = 33.651 ; range of retention times = 43.619



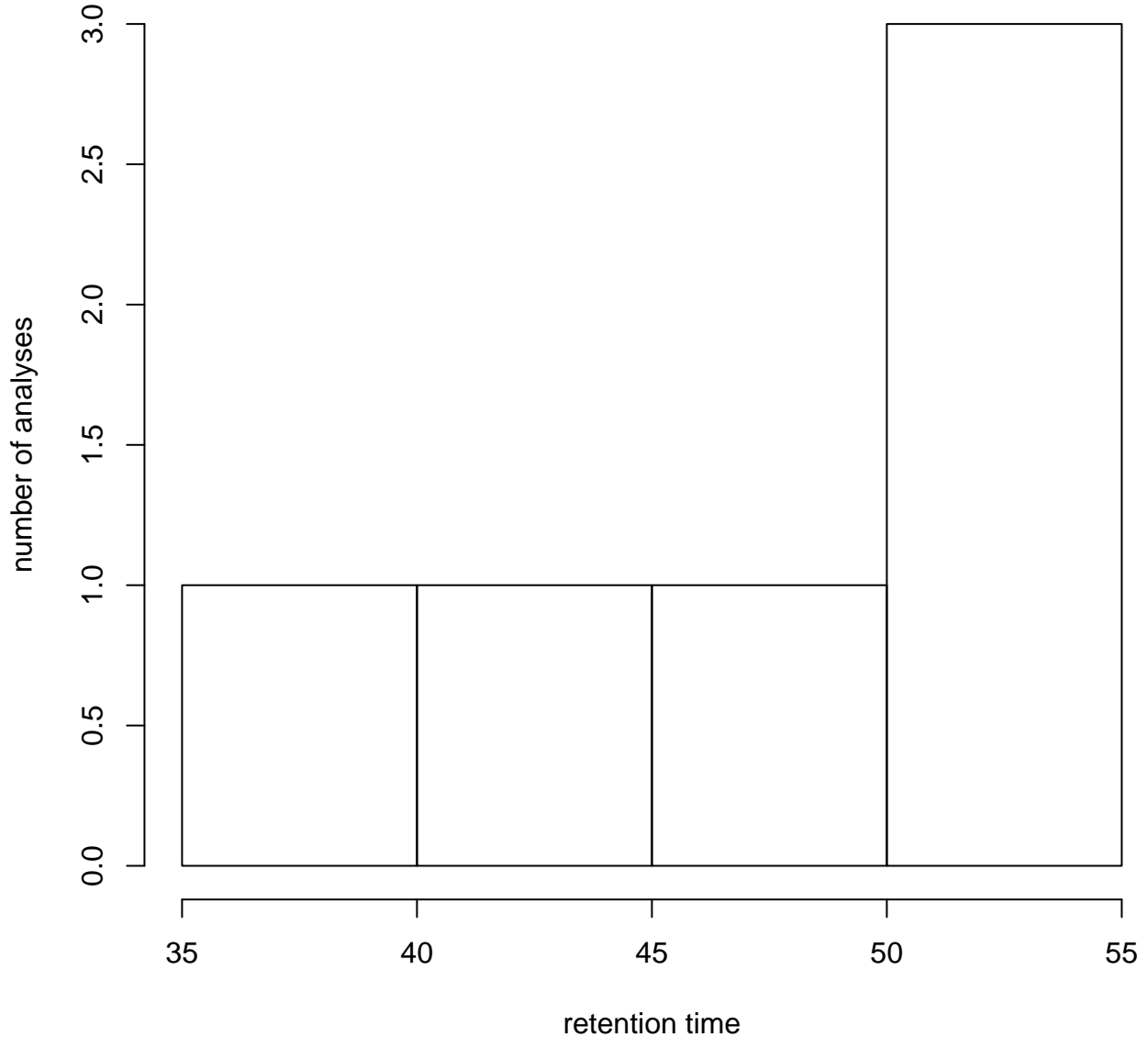
Distribution of retention time for the cluster 70

mean retention time = 35.494 ; range of retention times = 45.674



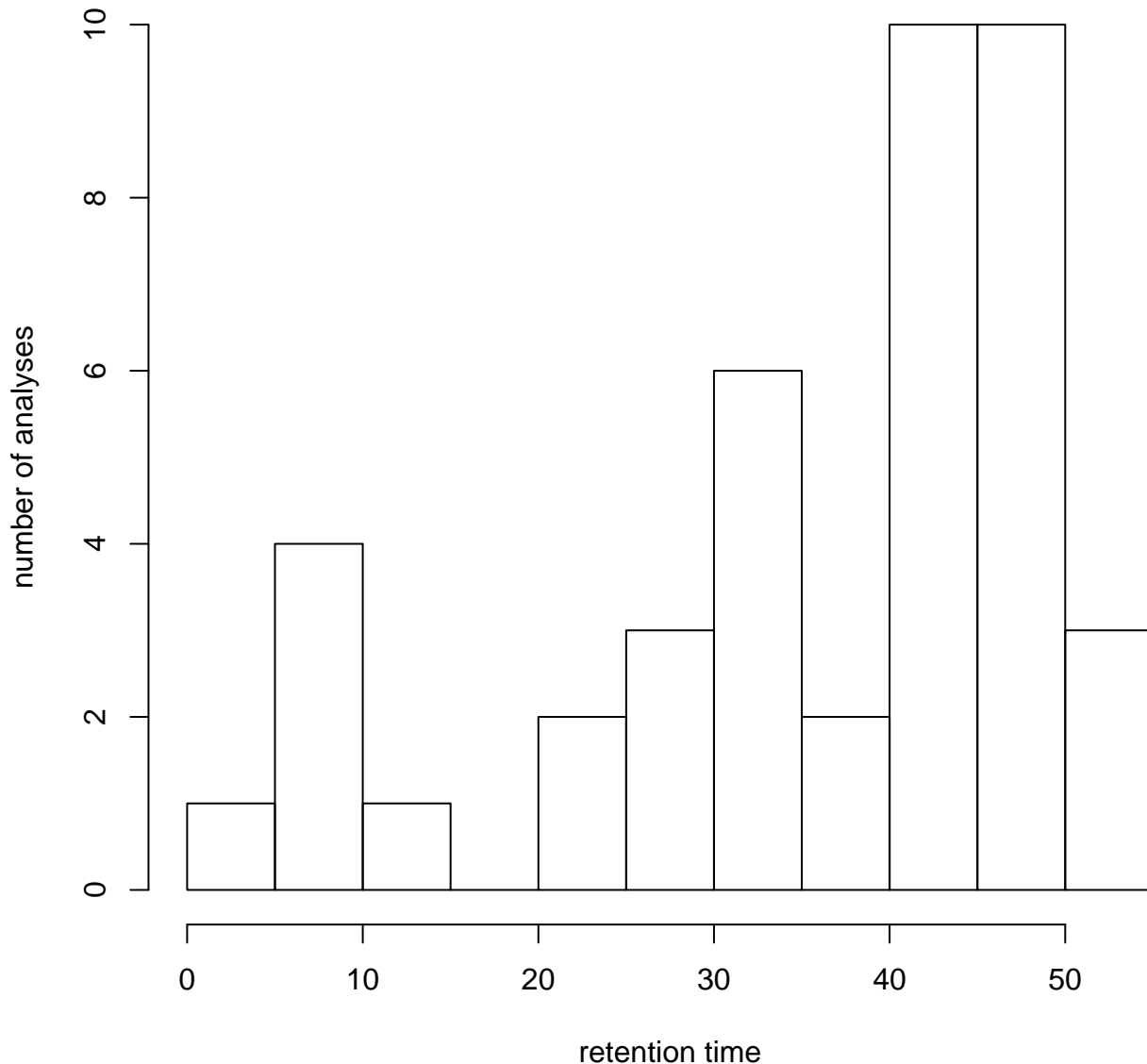
Distribution of retention time for the cluster 71

mean retention time = 46.247 ; range of retention times = 15.578



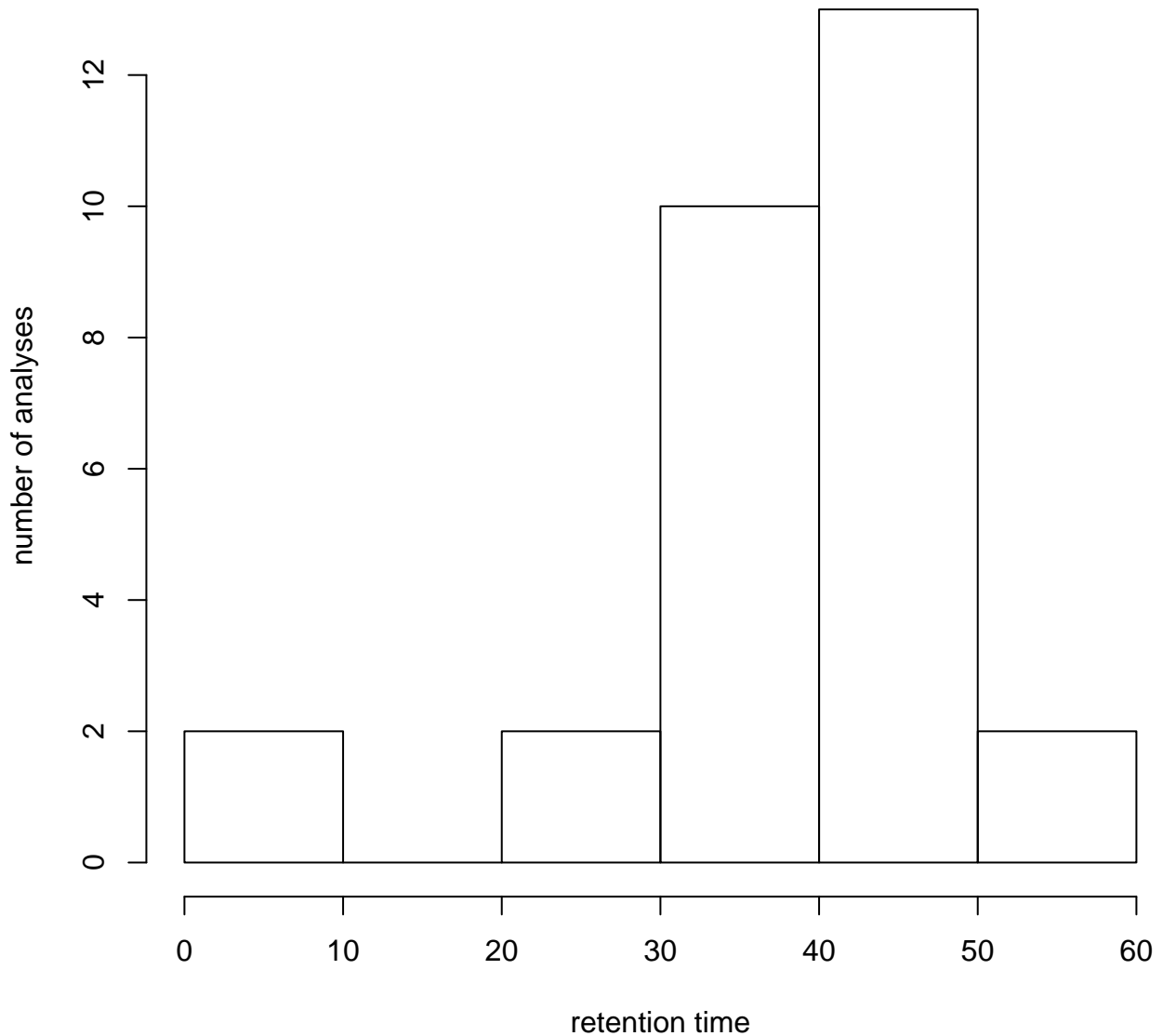
Distribution of retention time for the cluster 72

mean retention time = 35.603 ; range of retention times = 46.812



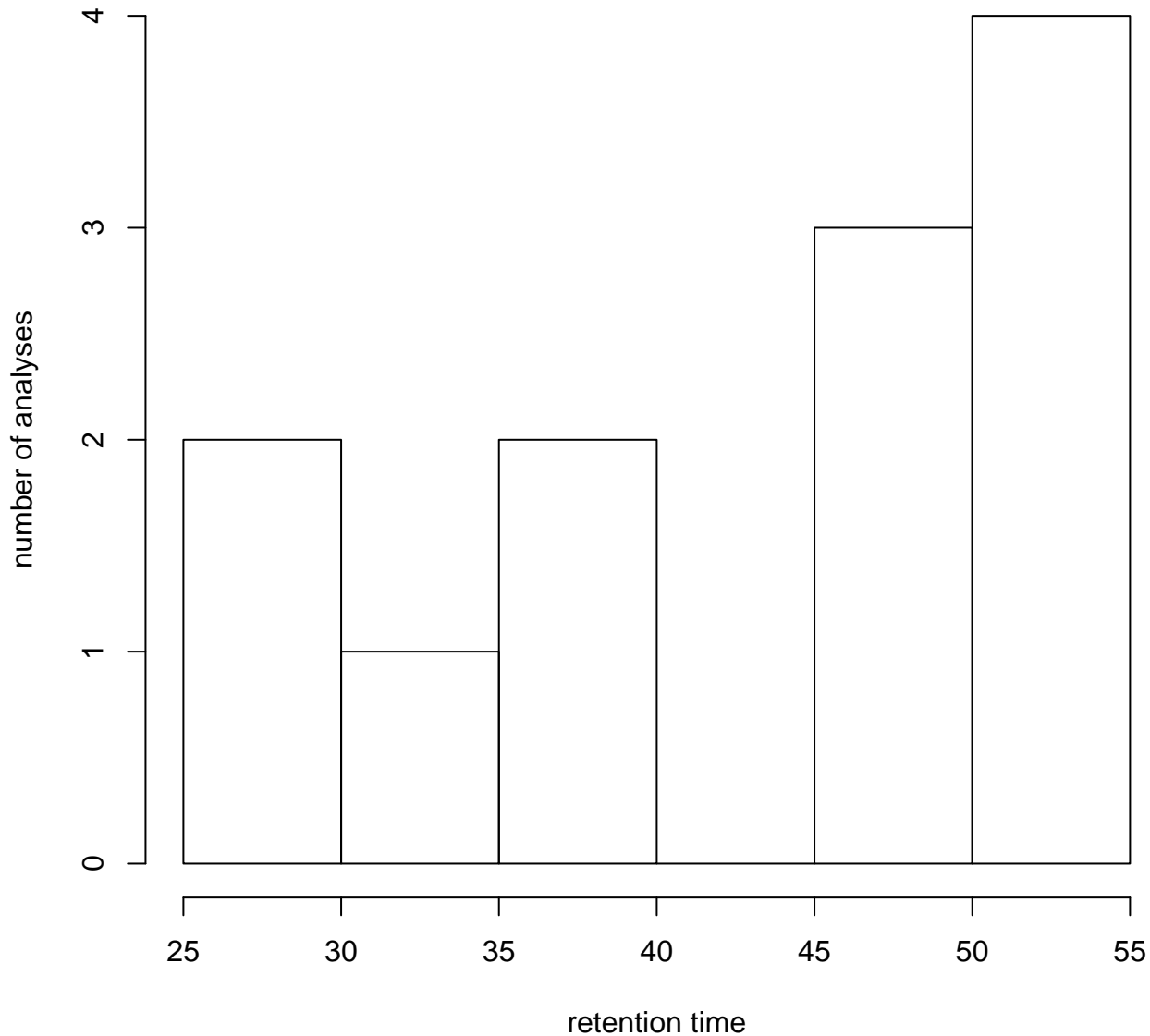
Distribution of retention time for the cluster 73

mean retention time = 38.577 ; range of retention times = 45.306



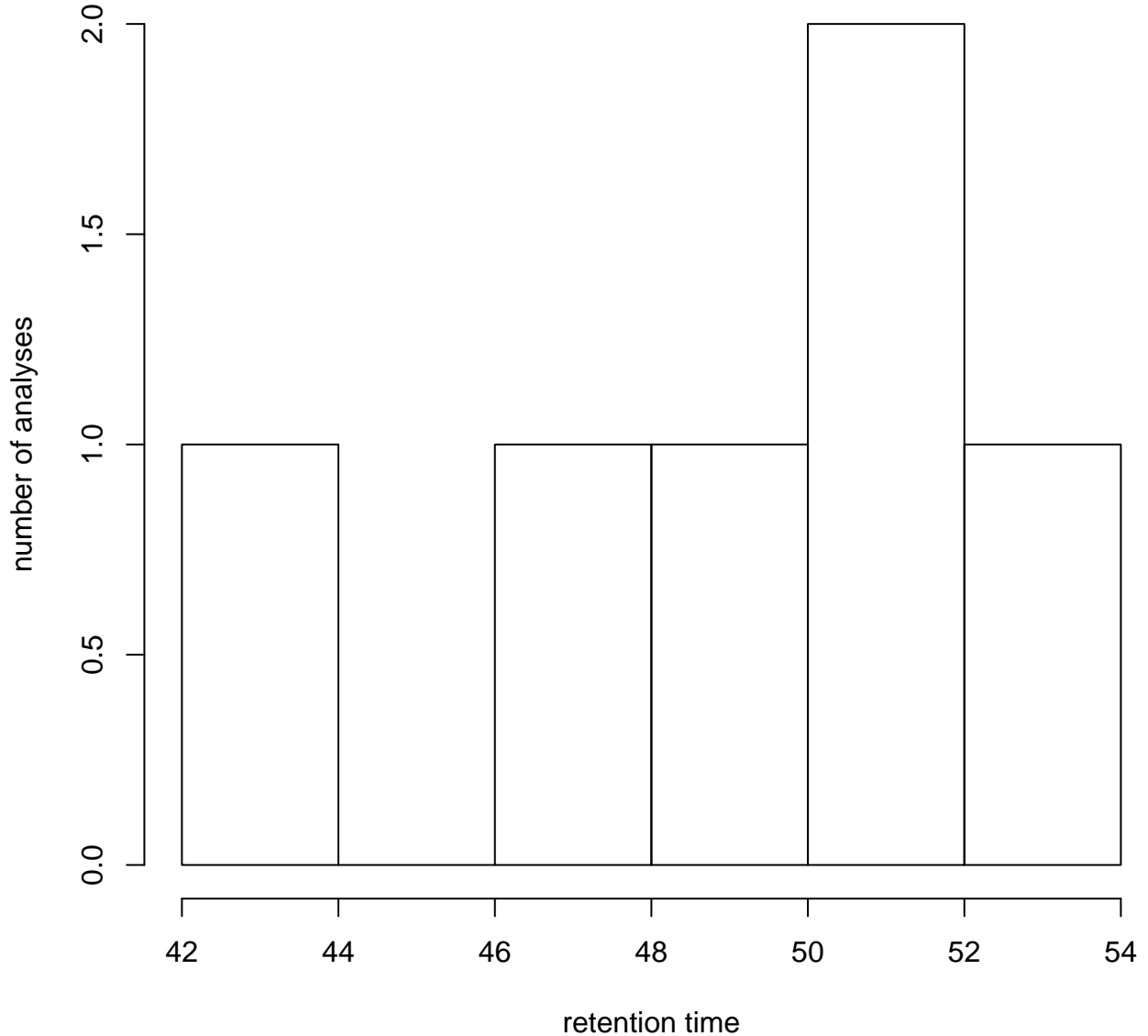
Distribution of retention time for the cluster 74

mean retention time = 42.888 ; range of retention times = 24.377



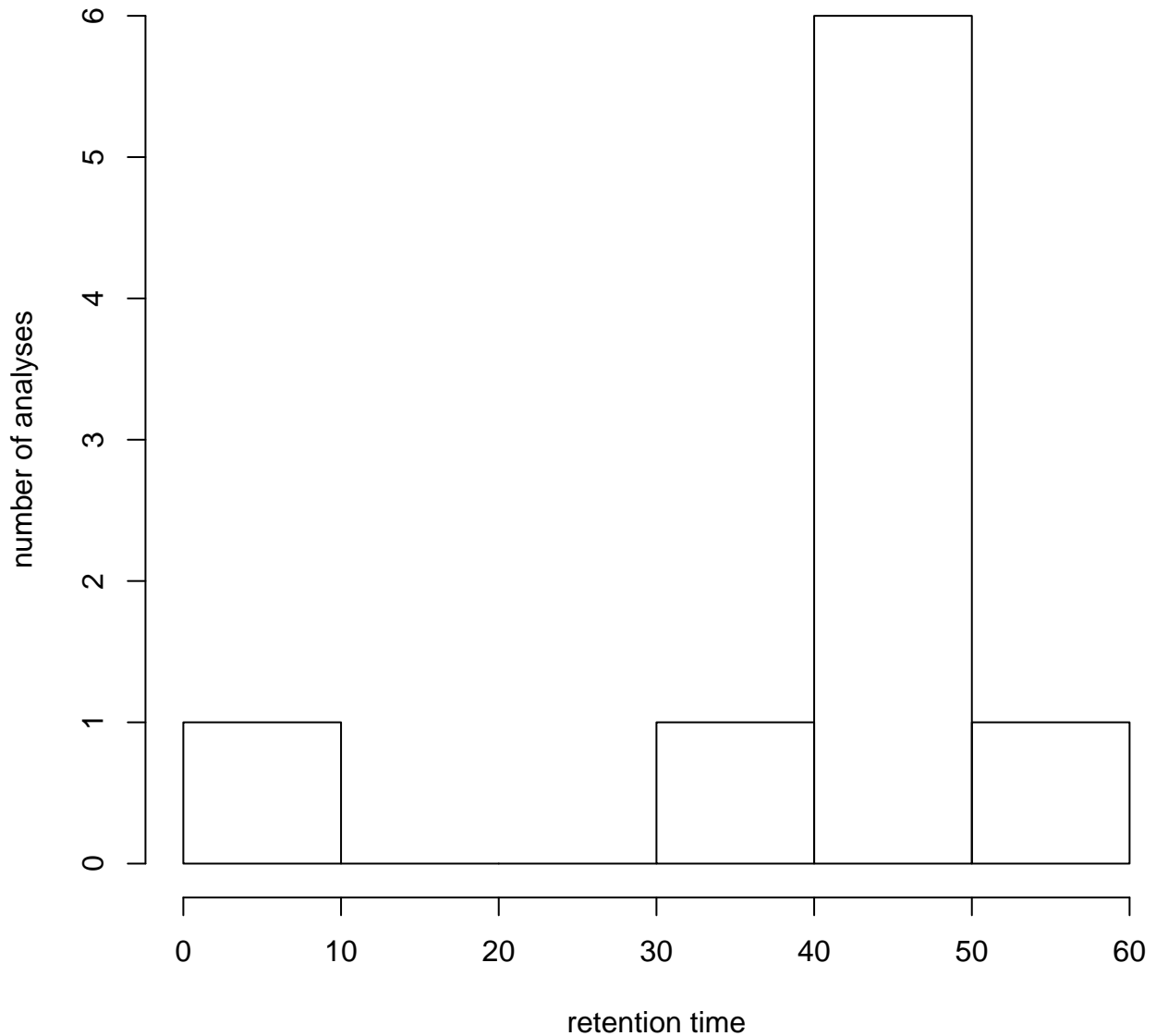
Distribution of retention time for the cluster 75

mean retention time = 48.714 ; range of retention times = 9.934



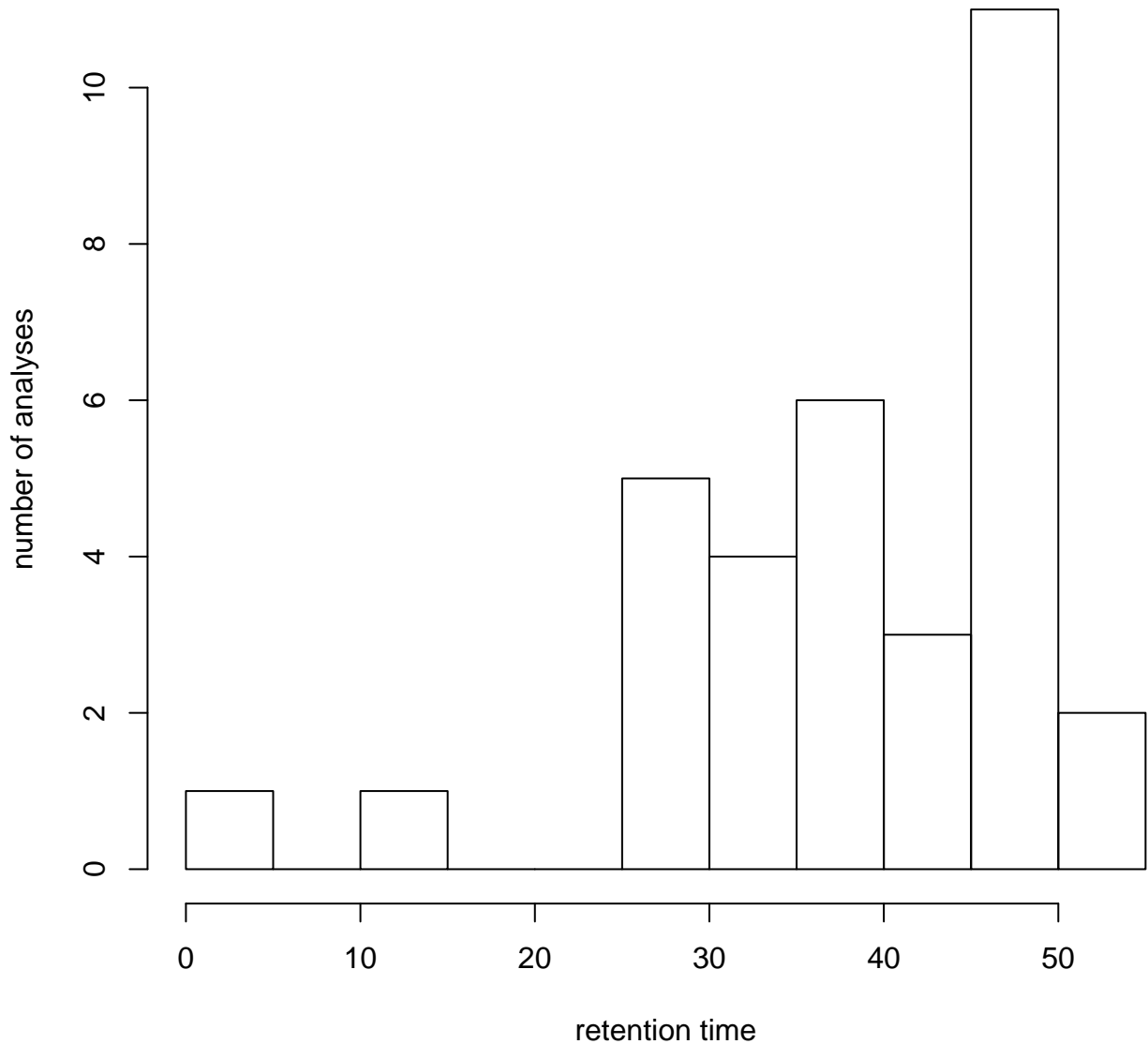
Distribution of retention time for the cluster 76

mean retention time = 39.853 ; range of retention times = 44.159



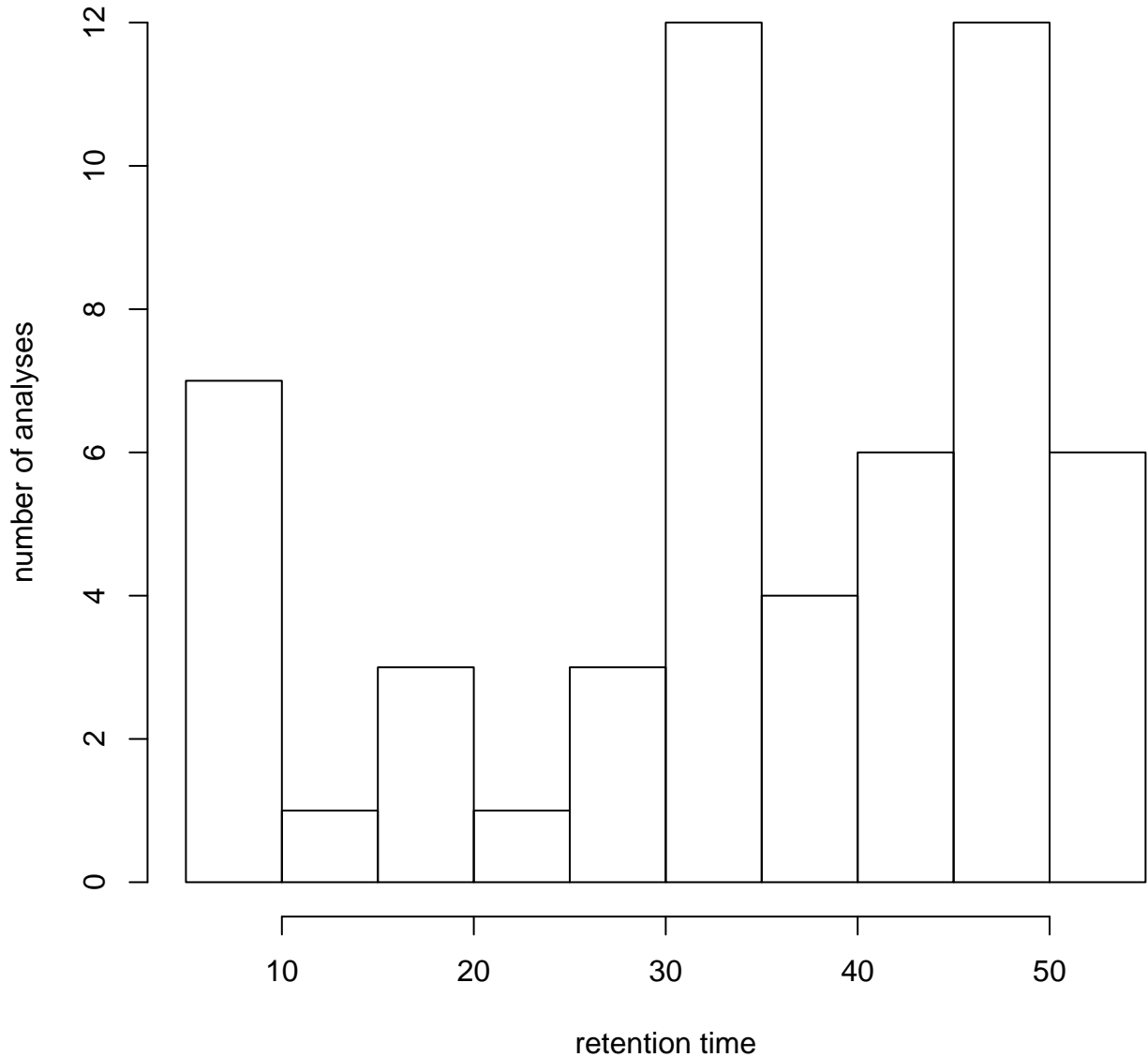
Distribution of retention time for the cluster 77

mean retention time = 38.331 ; range of retention times = 46.802



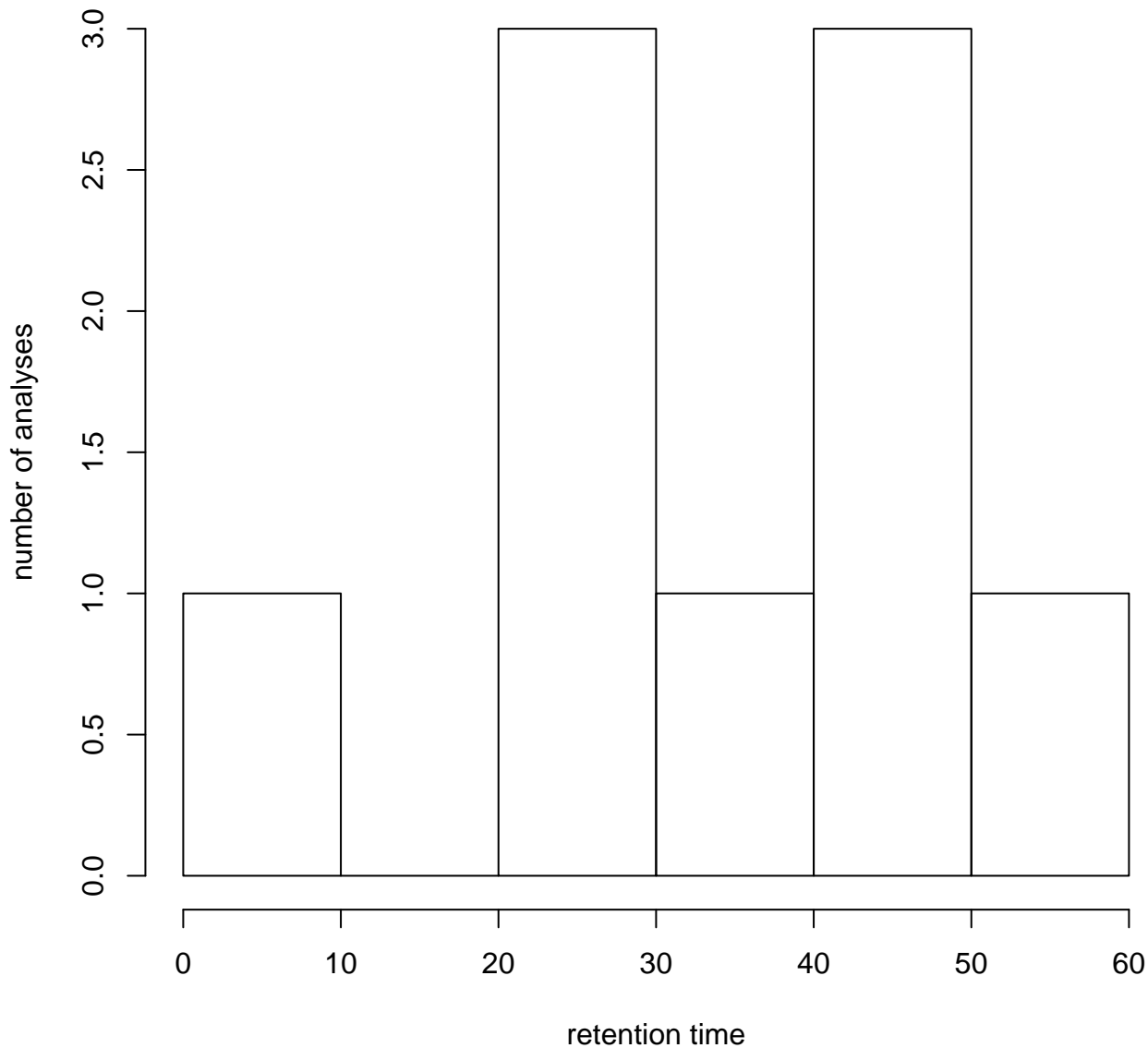
Distribution of retention time for the cluster 78

mean retention time = 34.773 ; range of retention times = 46.575



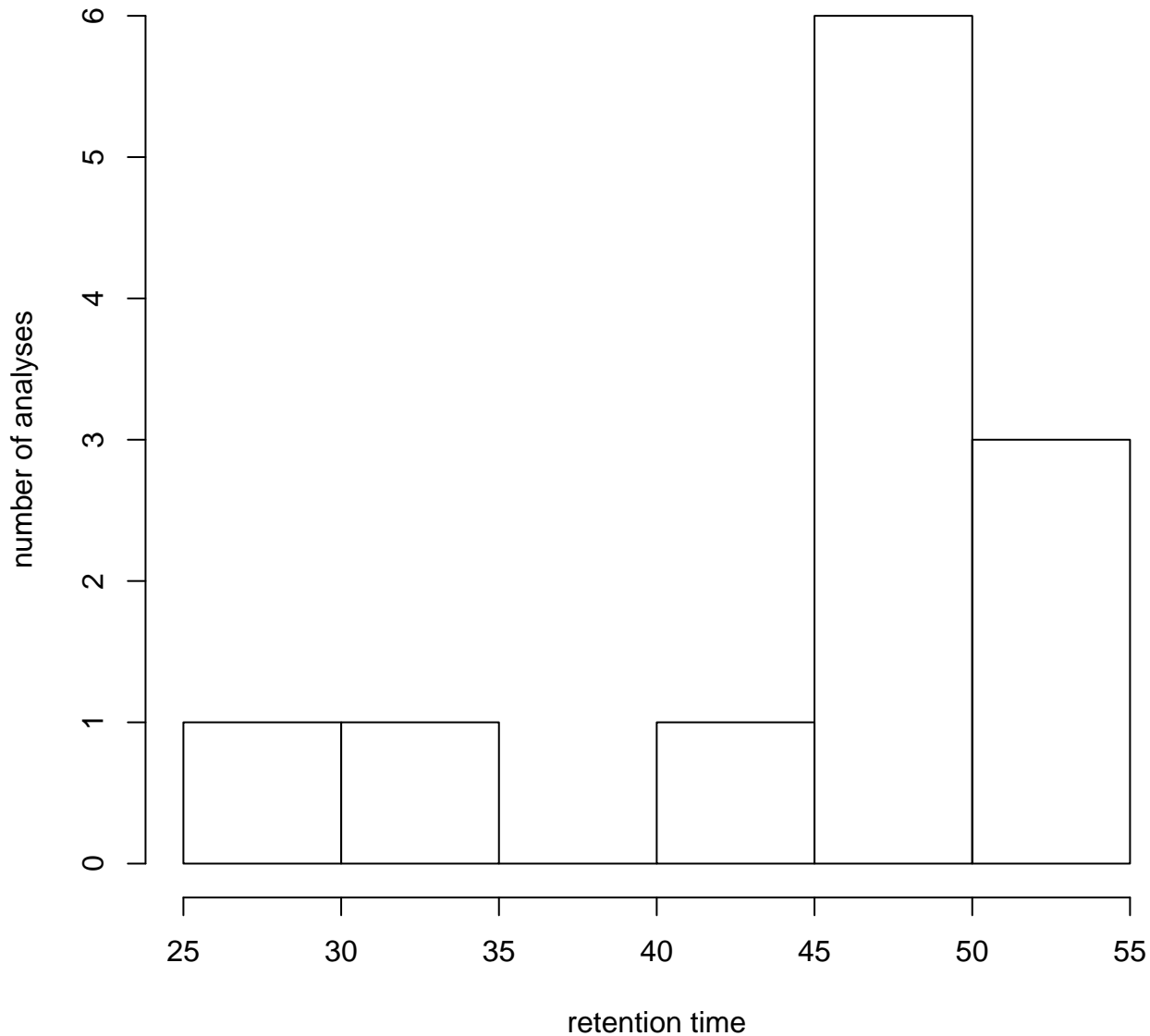
Distribution of retention time for the cluster 79

mean retention time = 33.548 ; range of retention times = 43.547



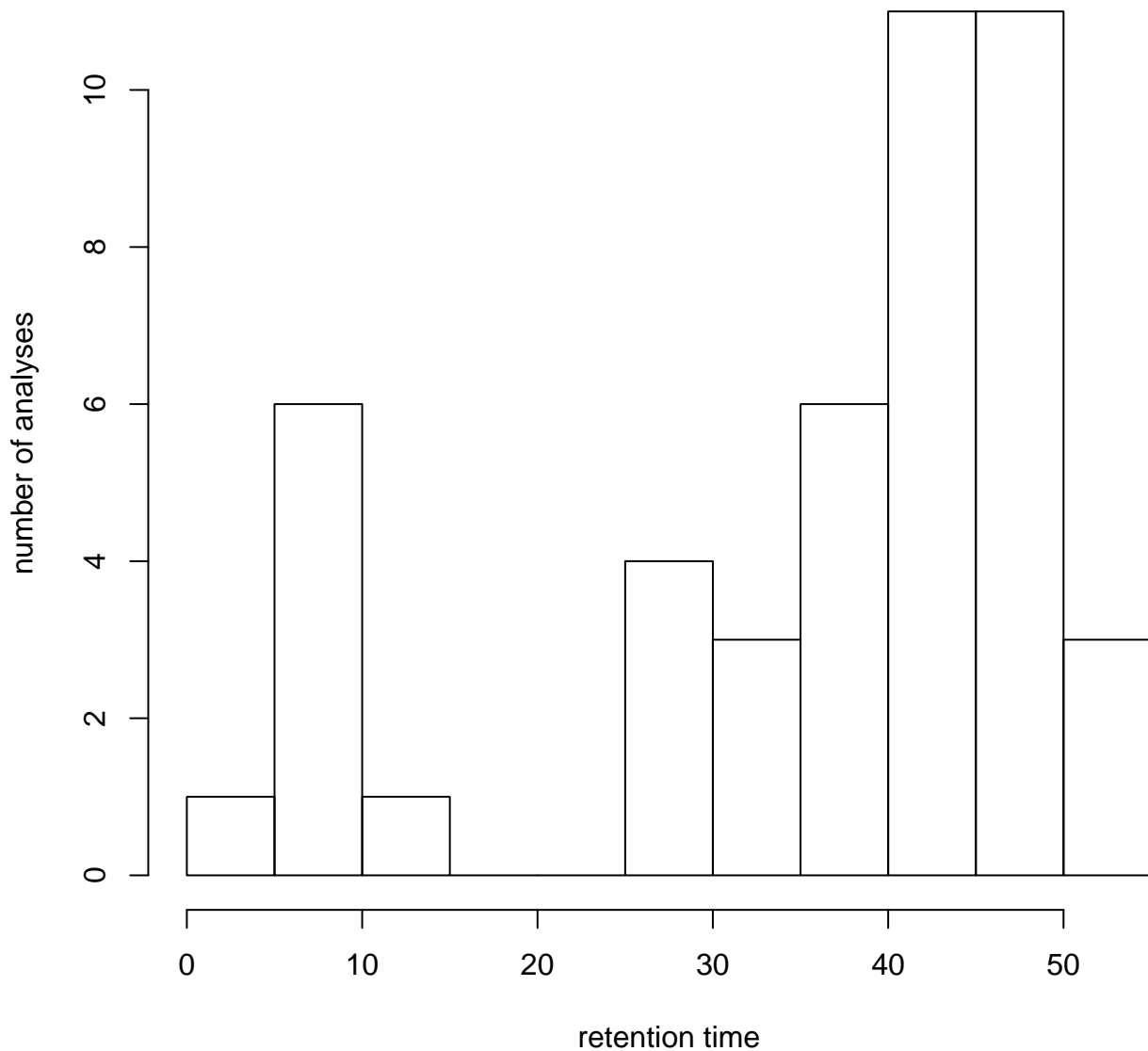
Distribution of retention time for the cluster 80

mean retention time = 45.081 ; range of retention times = 25.188



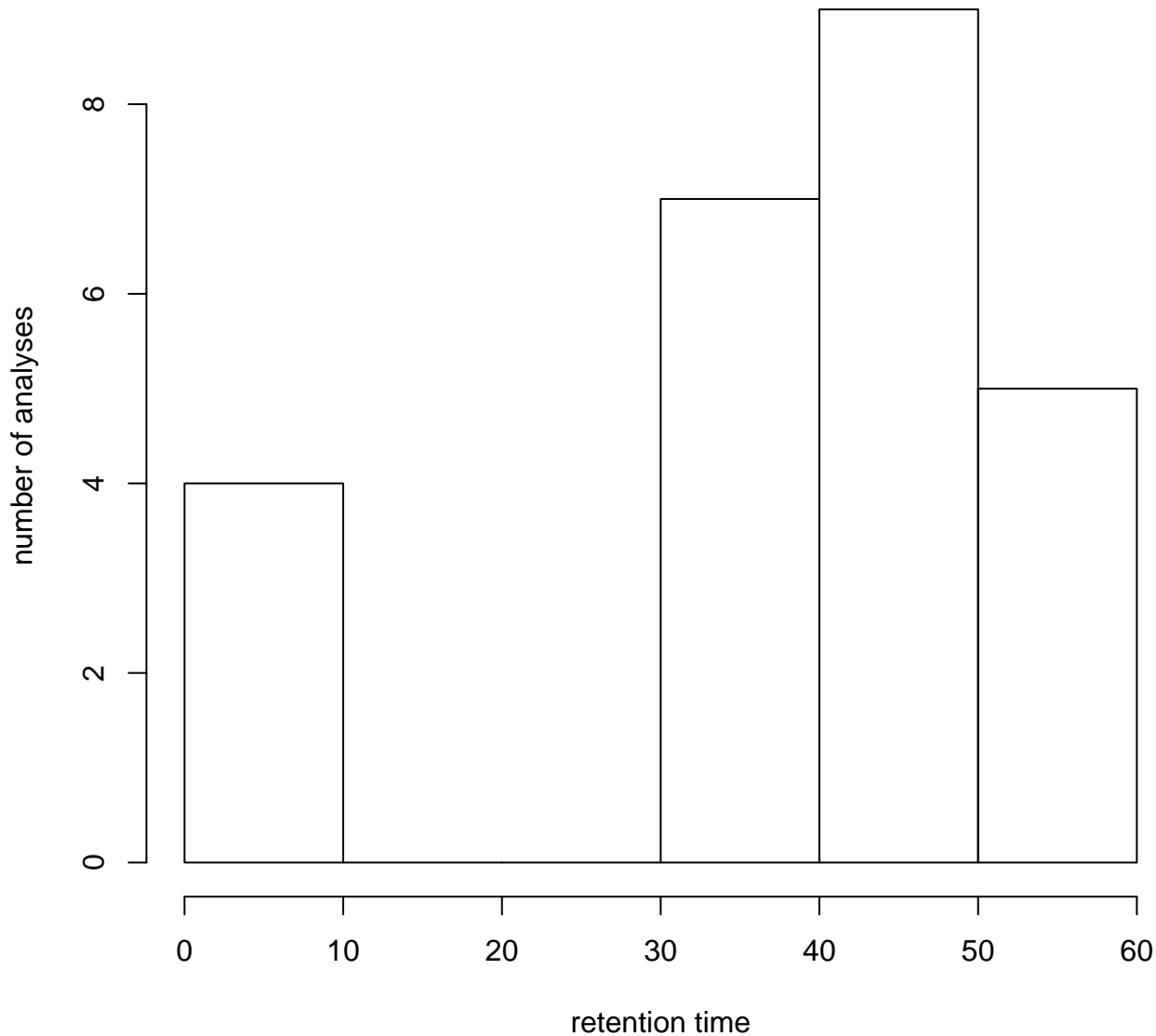
Distribution of retention time for the cluster 81

mean retention time = 36.052 ; range of retention times = 47.857



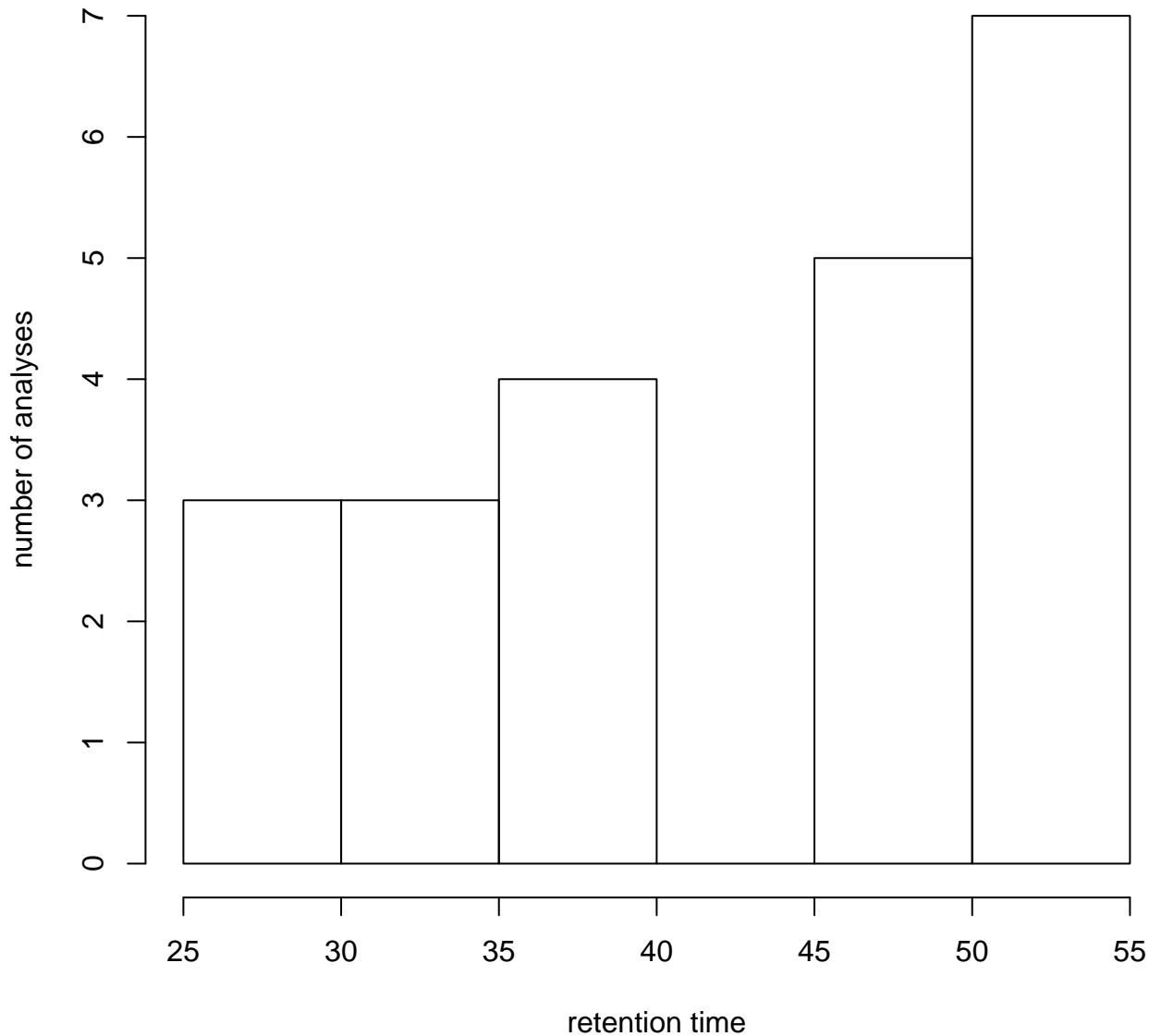
Distribution of retention time for the cluster 82

mean retention time = 37.719 ; range of retention times = 47.921



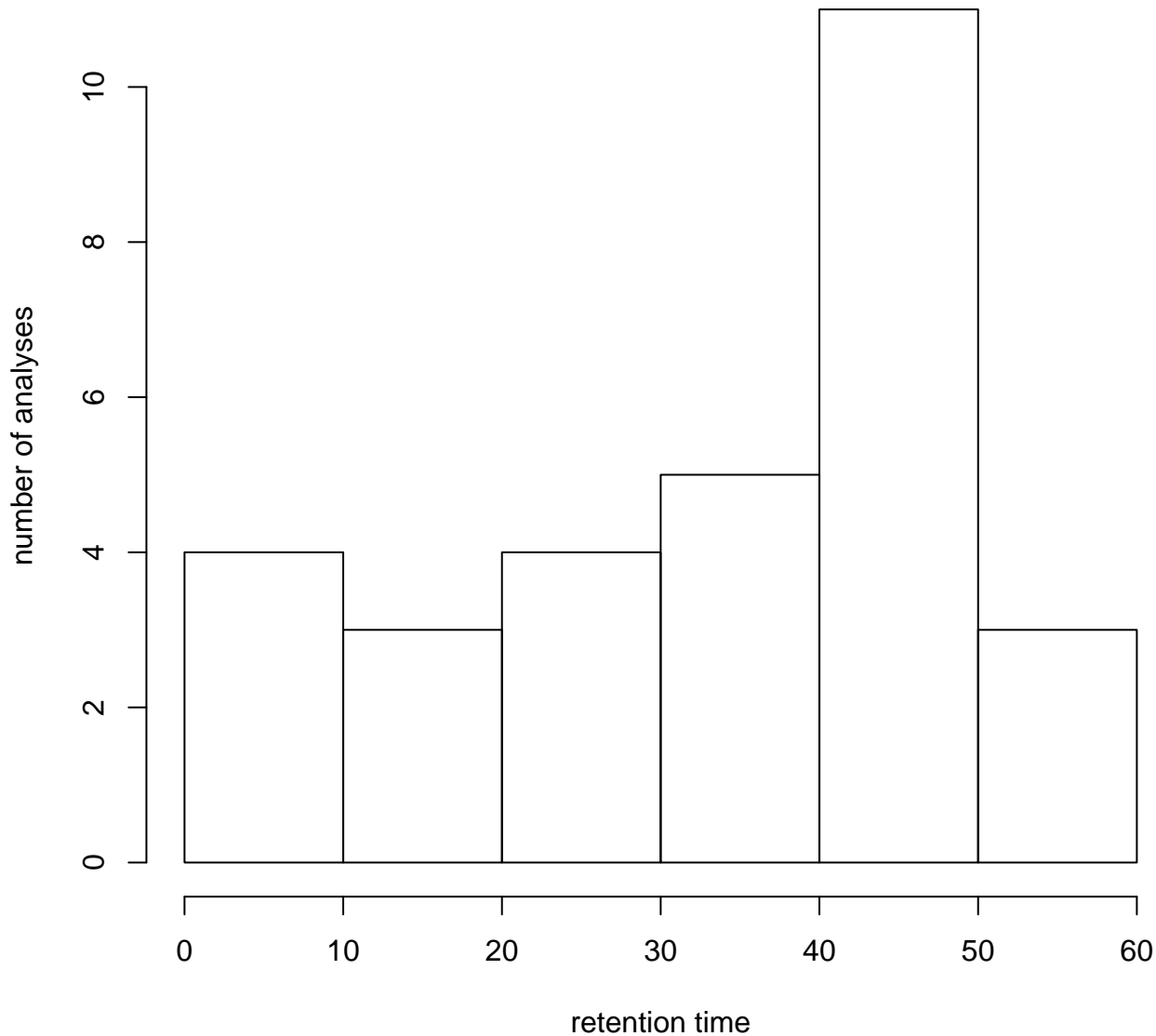
Distribution of retention time for the cluster 83

mean retention time = 42.29 ; range of retention times = 25.785



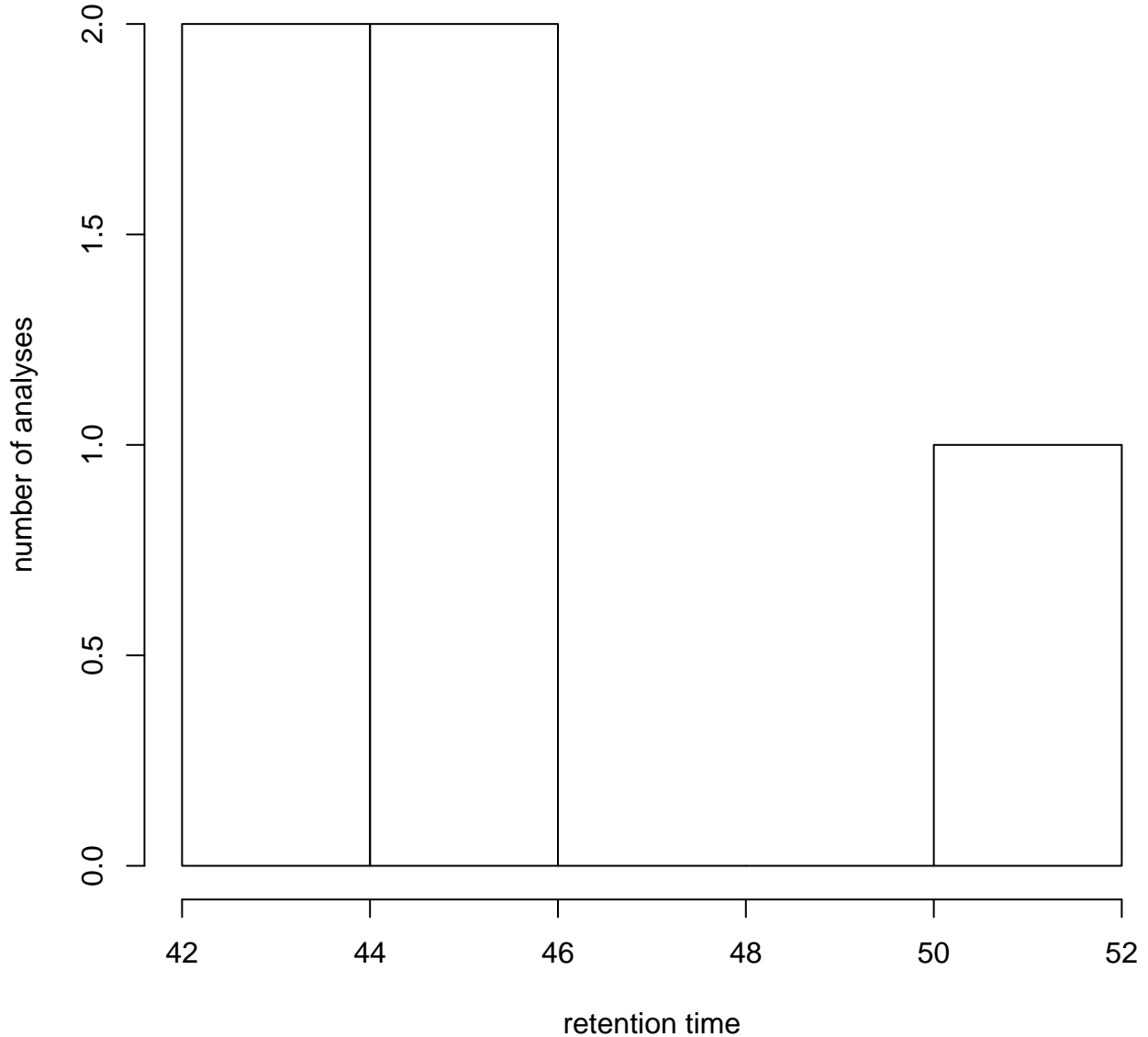
Distribution of retention time for the cluster 84

mean retention time = 33.038 ; range of retention times = 47.878



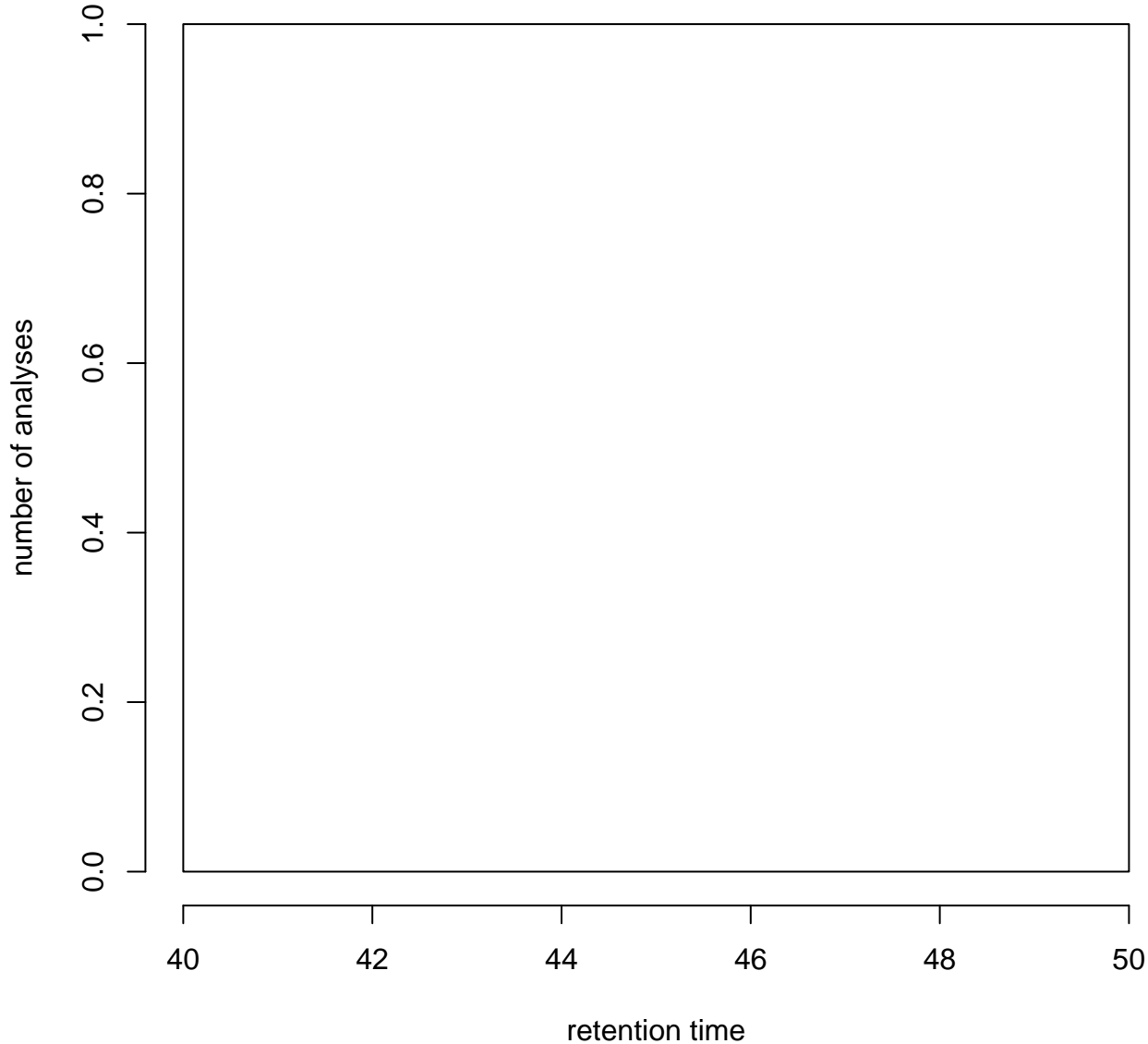
Distribution of retention time for the cluster 85

mean retention time = 45.75 ; range of retention times = 7.058



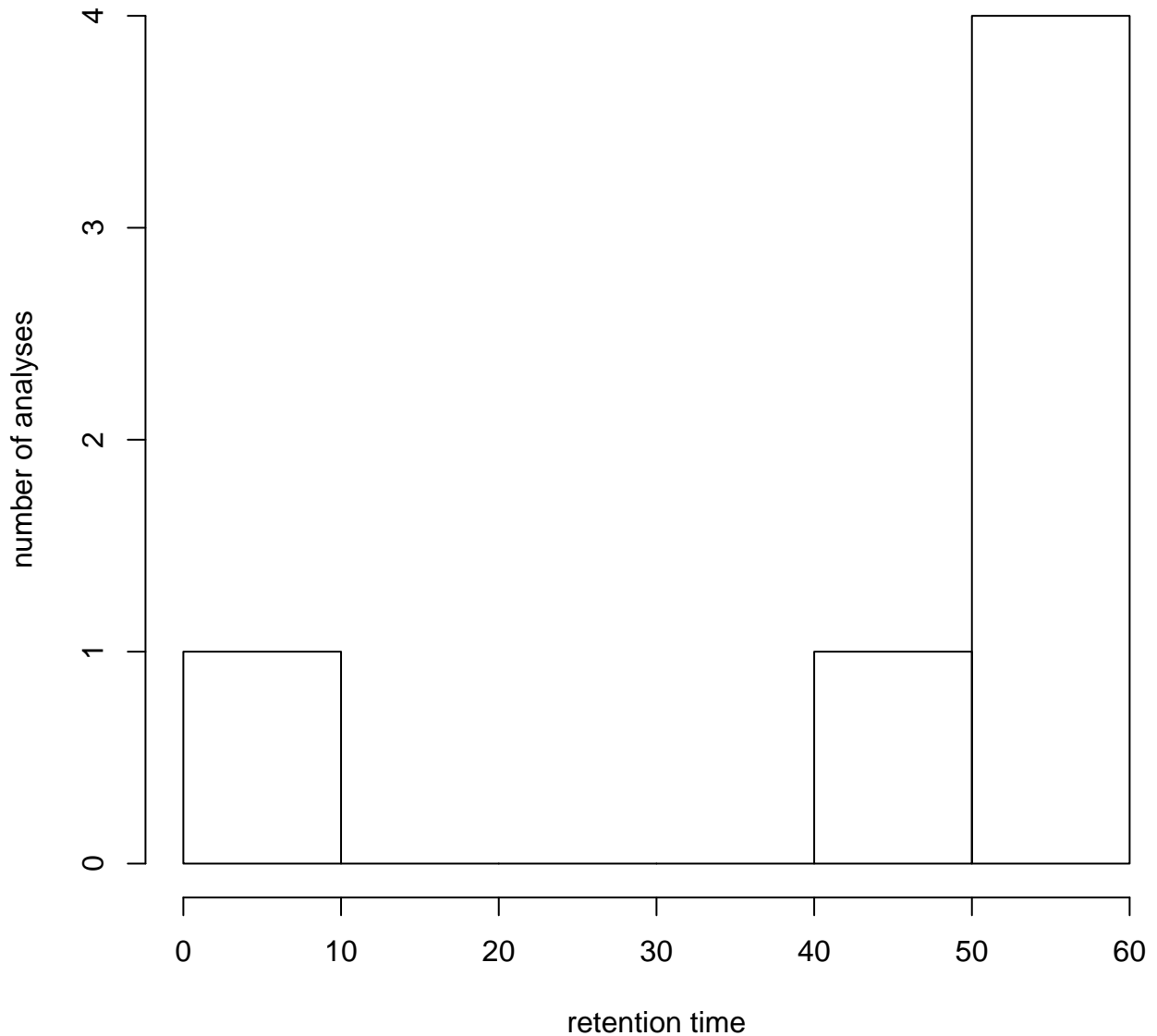
Distribution of retention time for the cluster 86

mean retention time = 46.053 ; range of retention times = 0



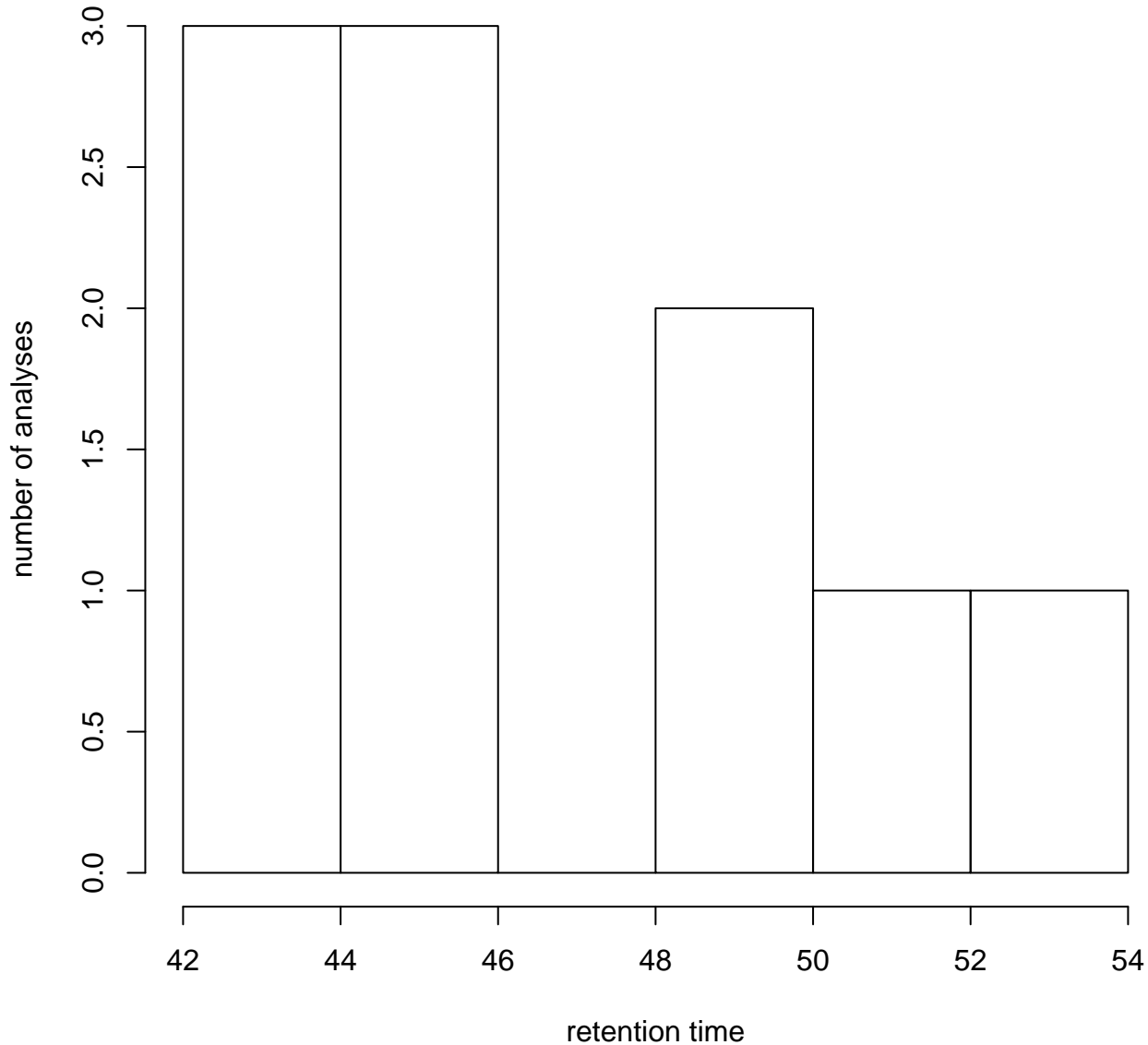
Distribution of retention time for the cluster 87

mean retention time = 43.39 ; range of retention times = 43.856



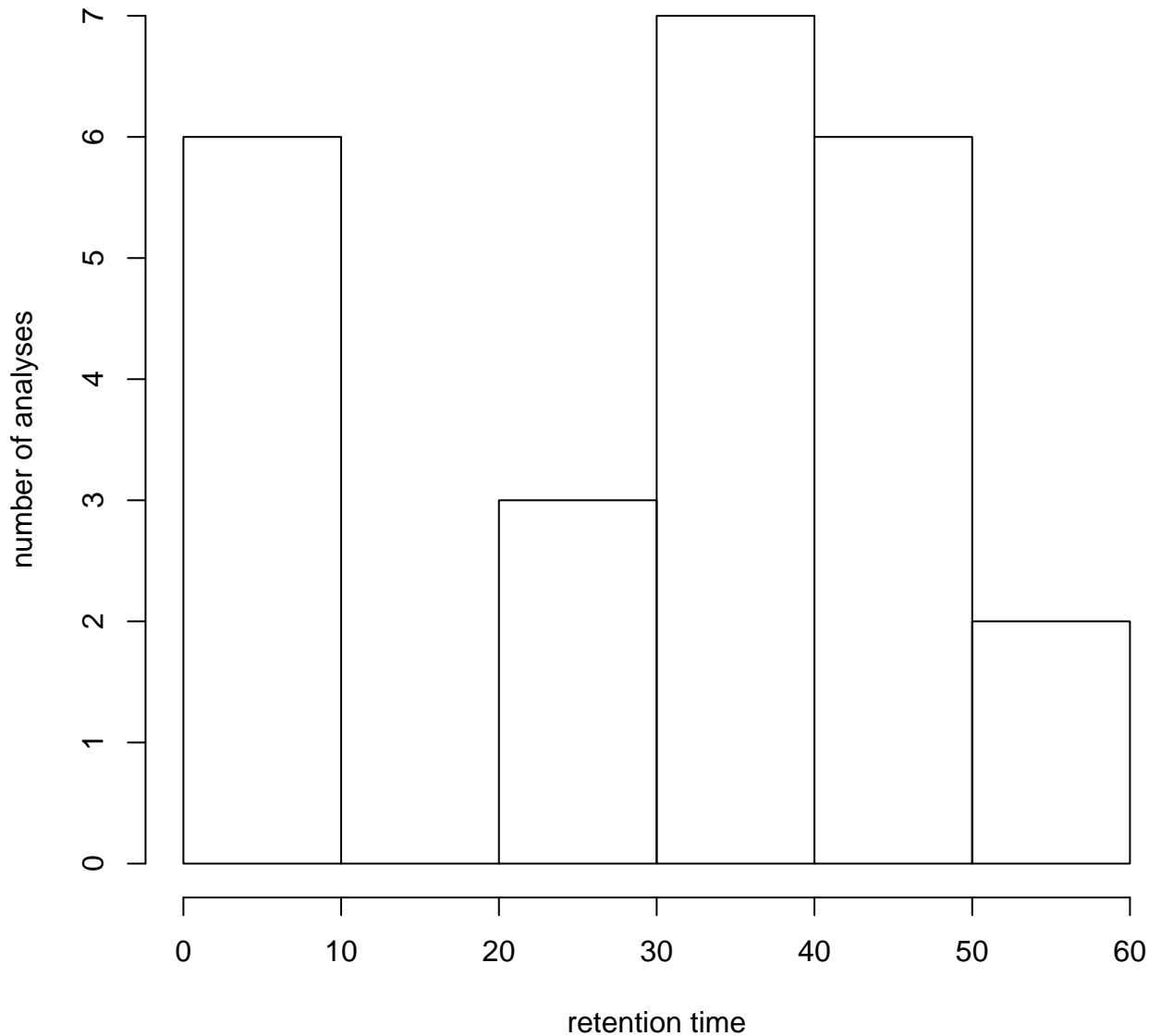
Distribution of retention time for the cluster 88

mean retention time = 46.966 ; range of retention times = 9.987



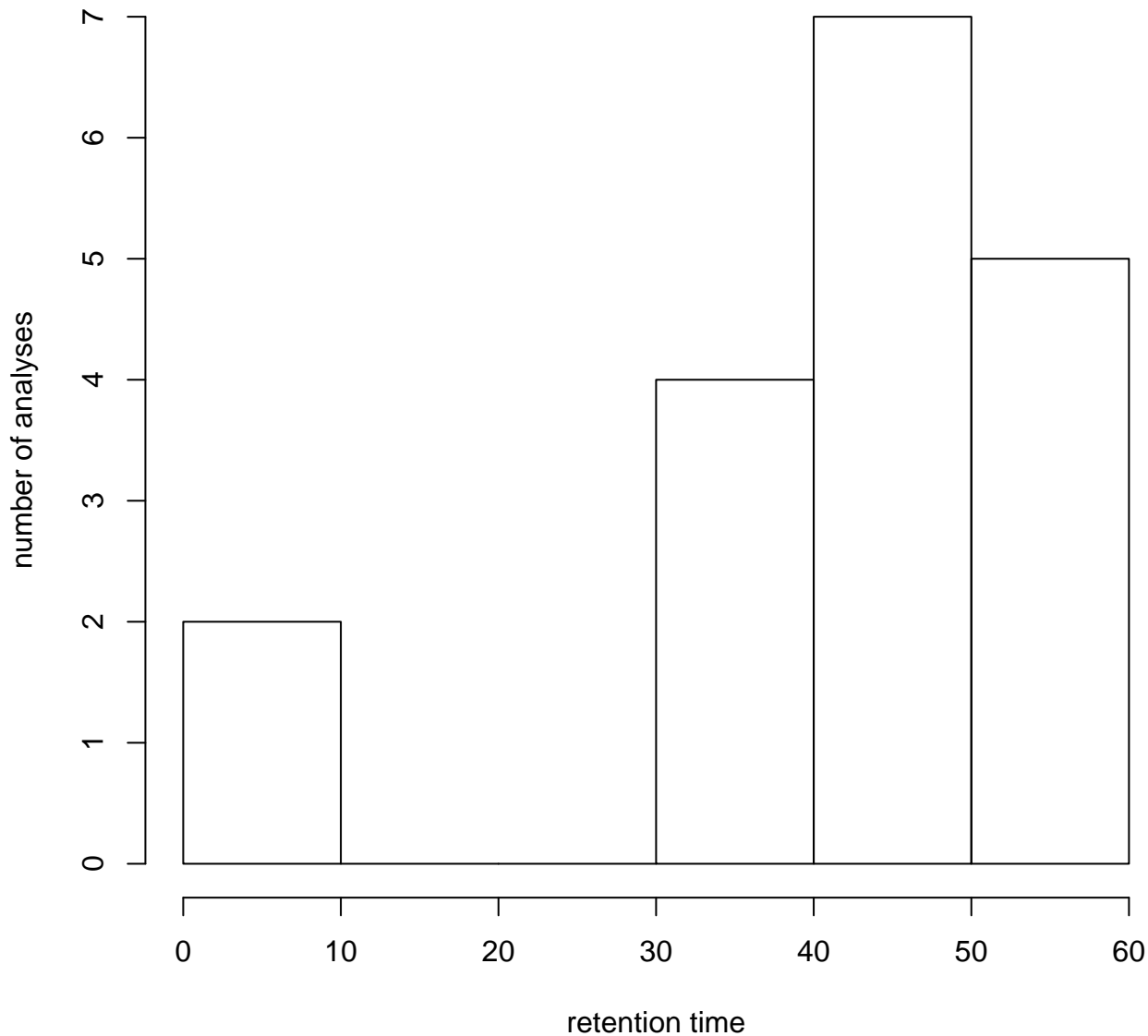
Distribution of retention time for the cluster 89

mean retention time = 30.473 ; range of retention times = 46.33



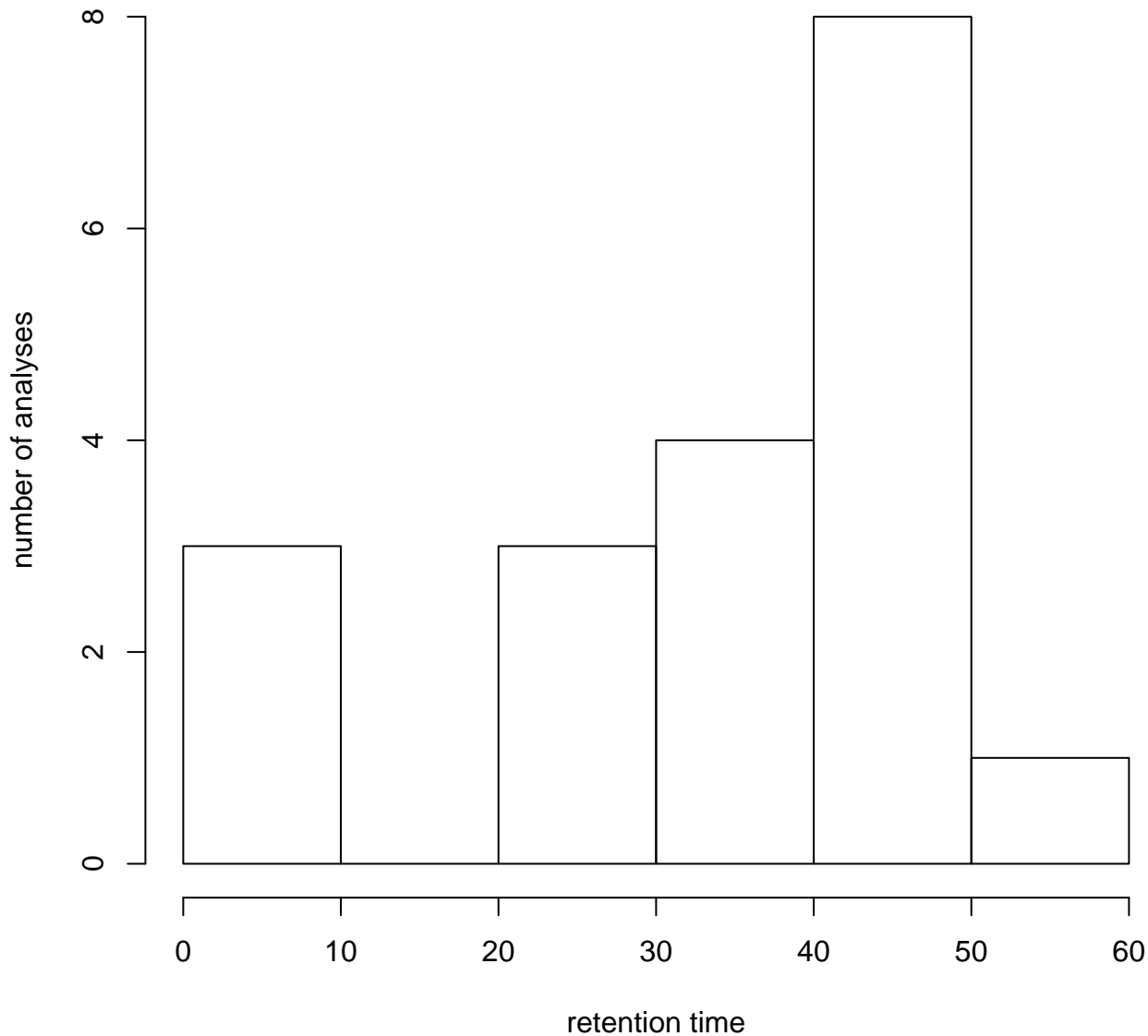
Distribution of retention time for the cluster 90

mean retention time = 41.161 ; range of retention times = 45.531



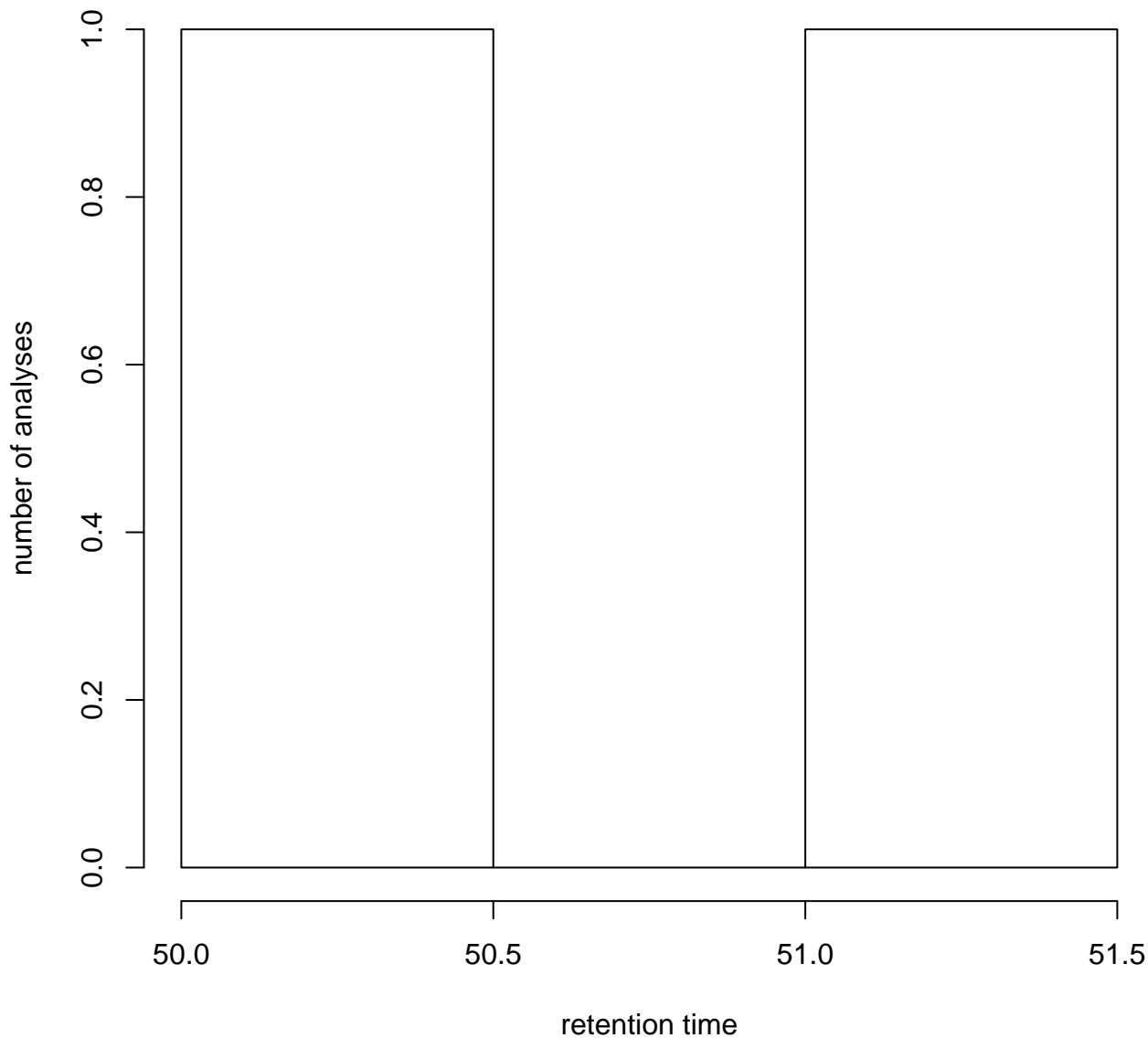
Distribution of retention time for the cluster 91

mean retention time = 34.728 ; range of retention times = 43.5



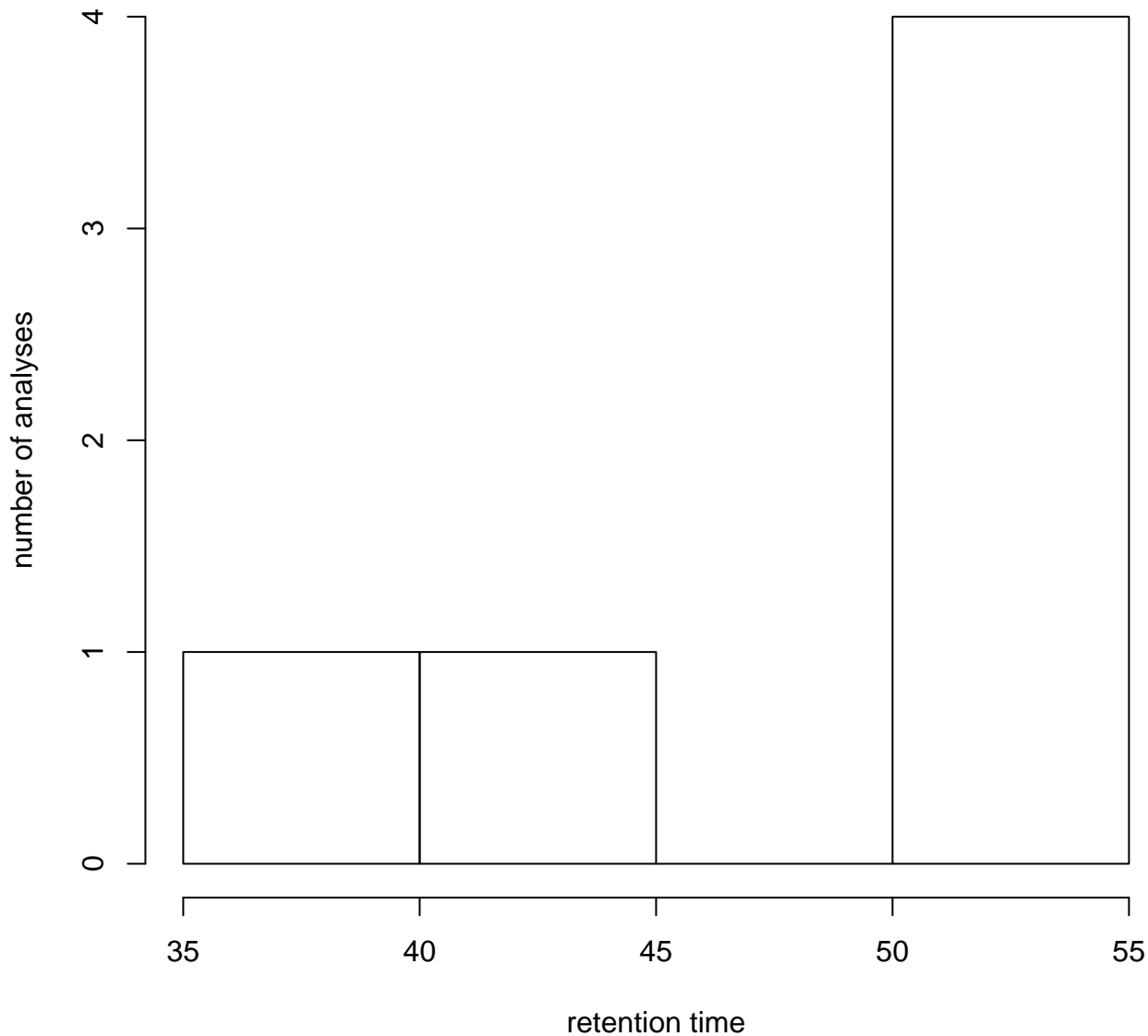
Distribution of retention time for the cluster 92

mean retention time = 50.95 ; range of retention times = 1.024



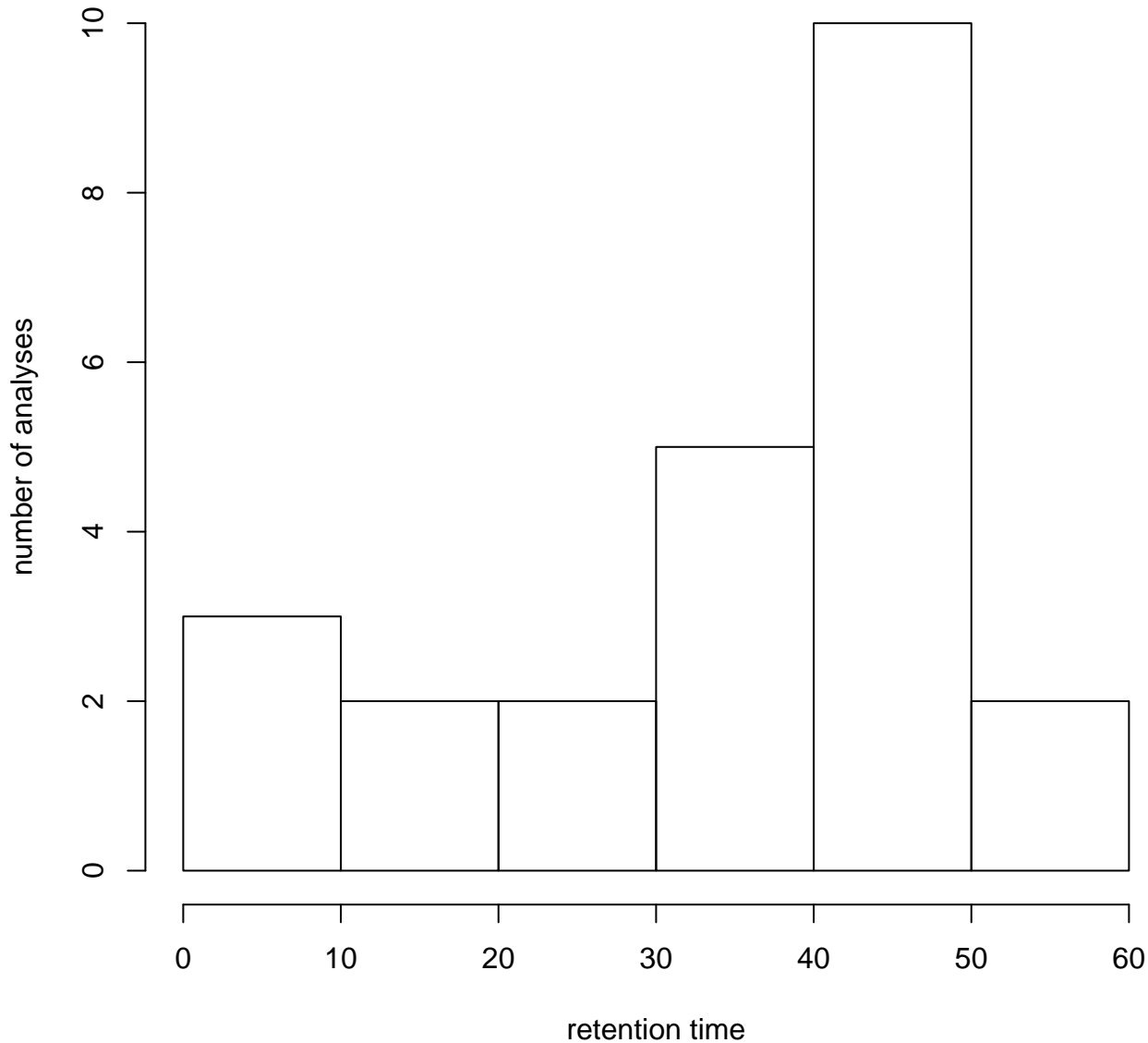
Distribution of retention time for the cluster 93

mean retention time = 48.86 ; range of retention times = 14.108



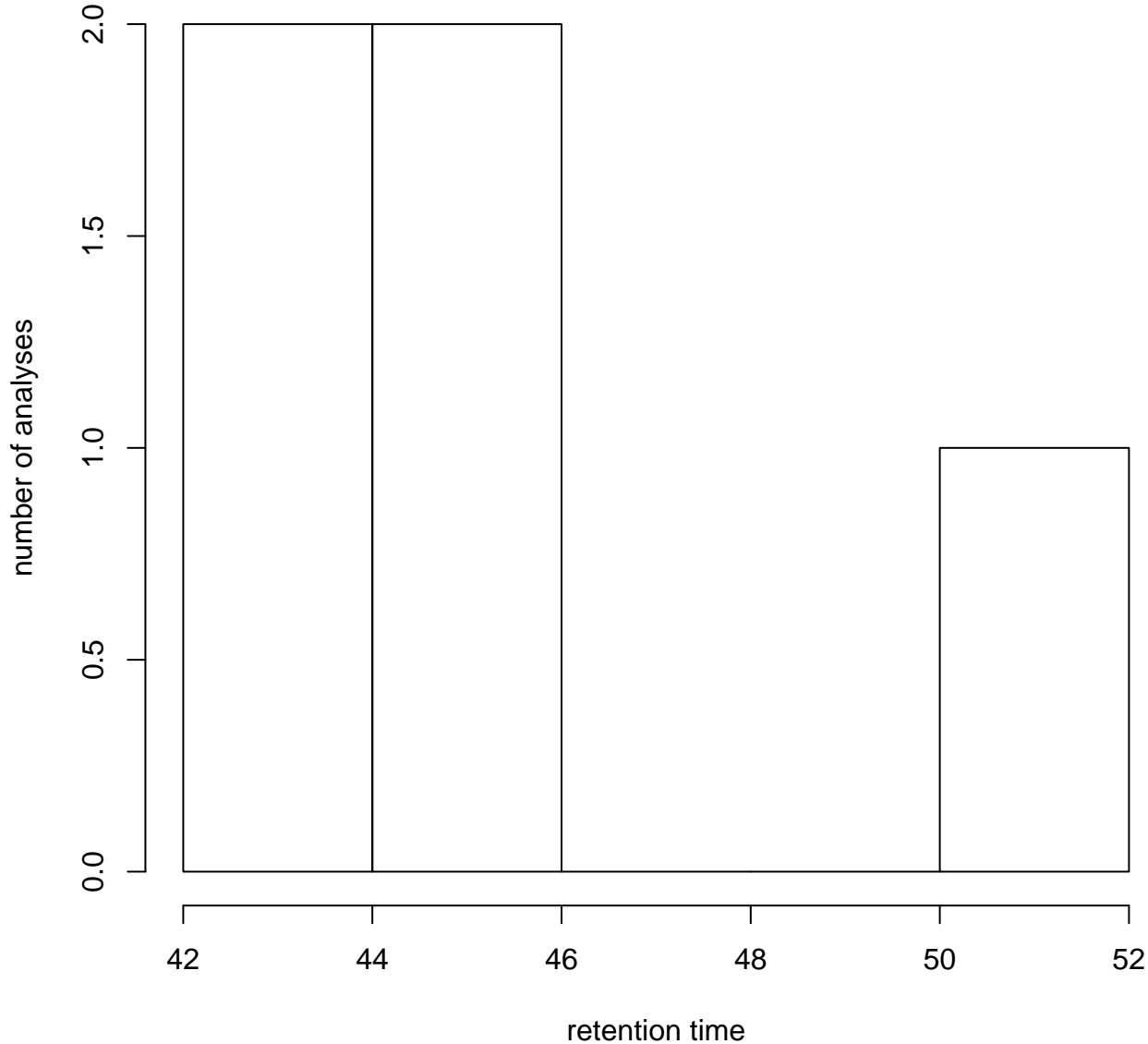
Distribution of retention time for the cluster 94

mean retention time = 34.884 ; range of retention times = 48.422



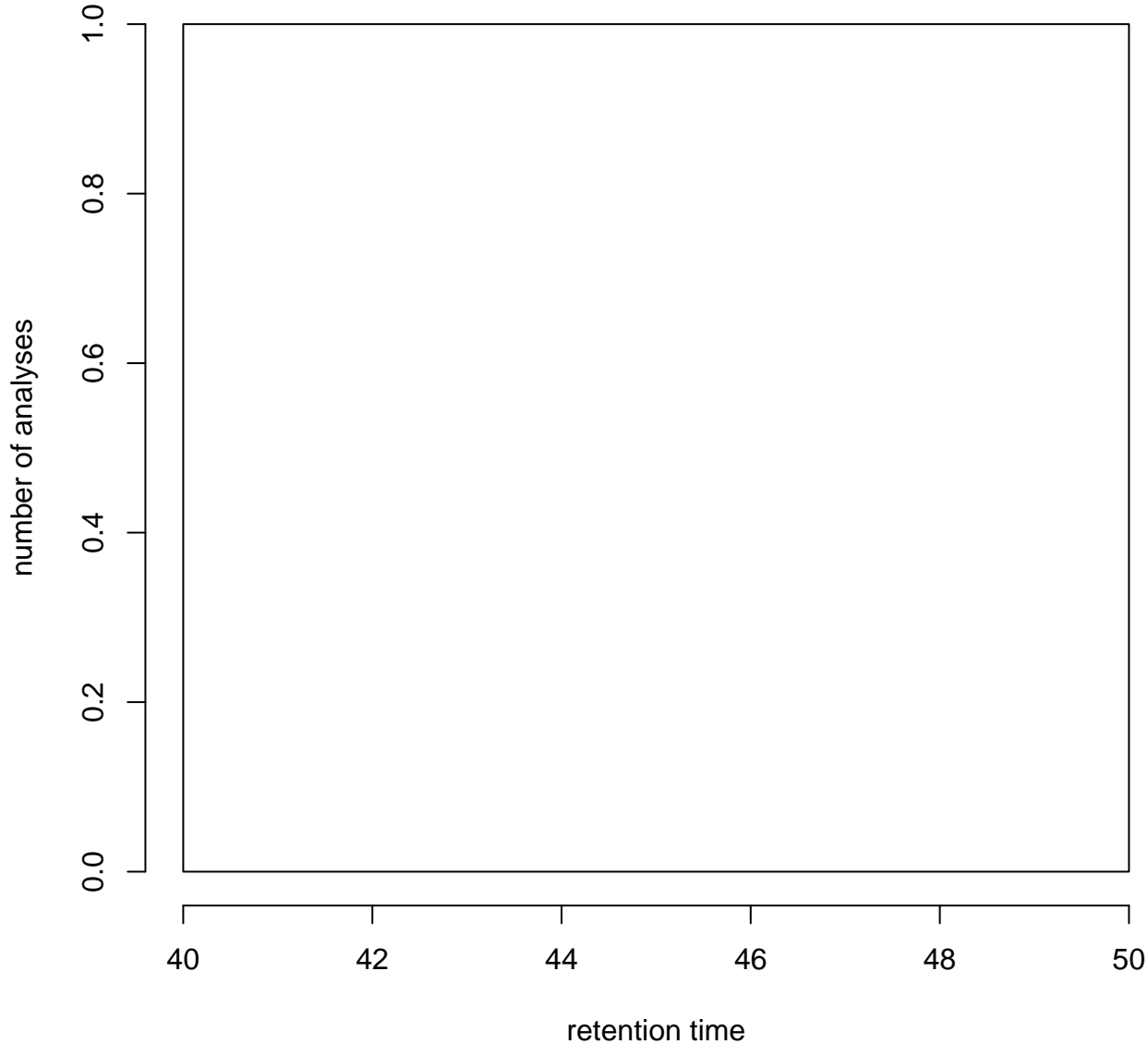
Distribution of retention time for the cluster 95

mean retention time = 46 ; range of retention times = 8.314



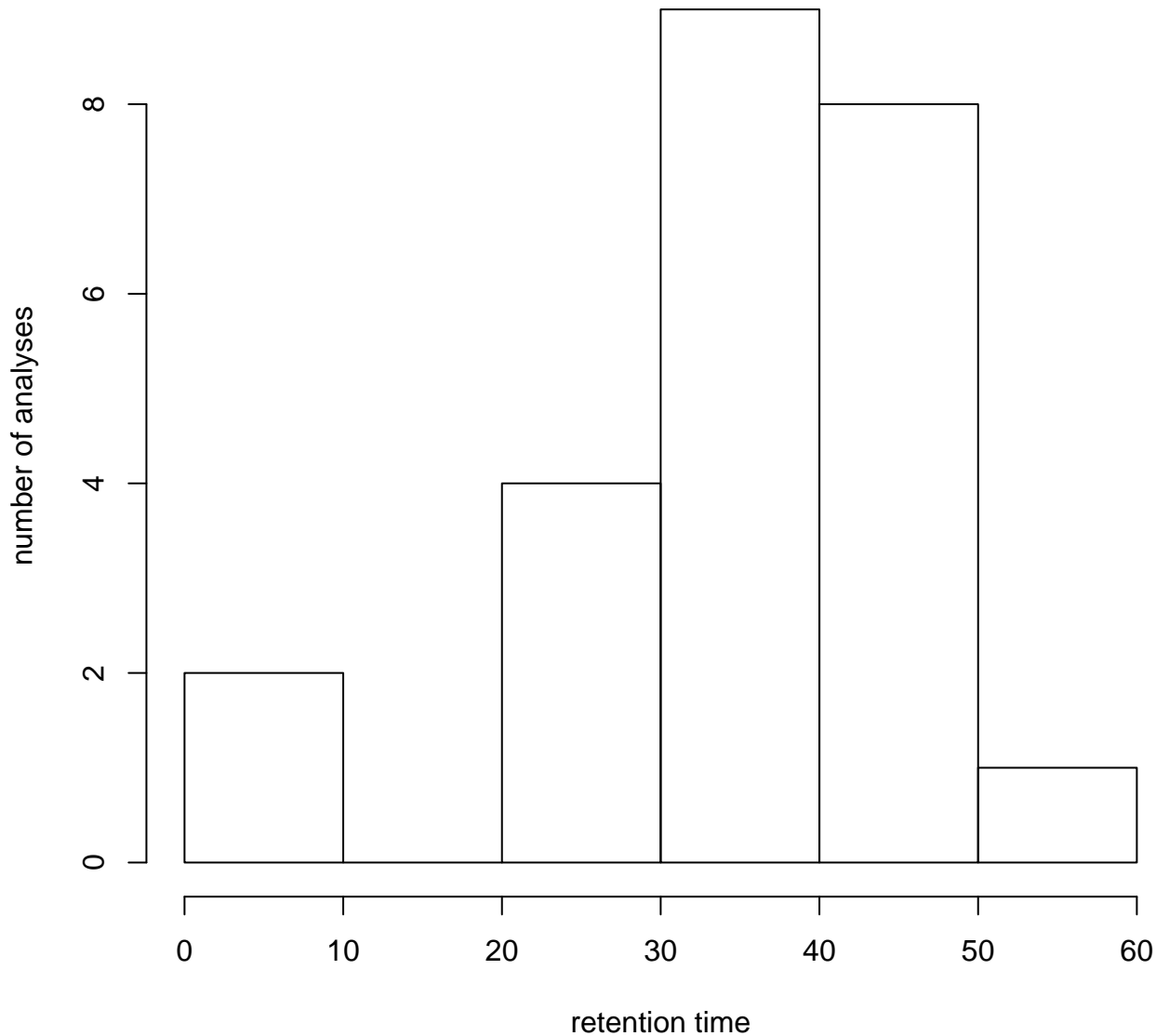
Distribution of retention time for the cluster 96

mean retention time = 44.758 ; range of retention times = 0



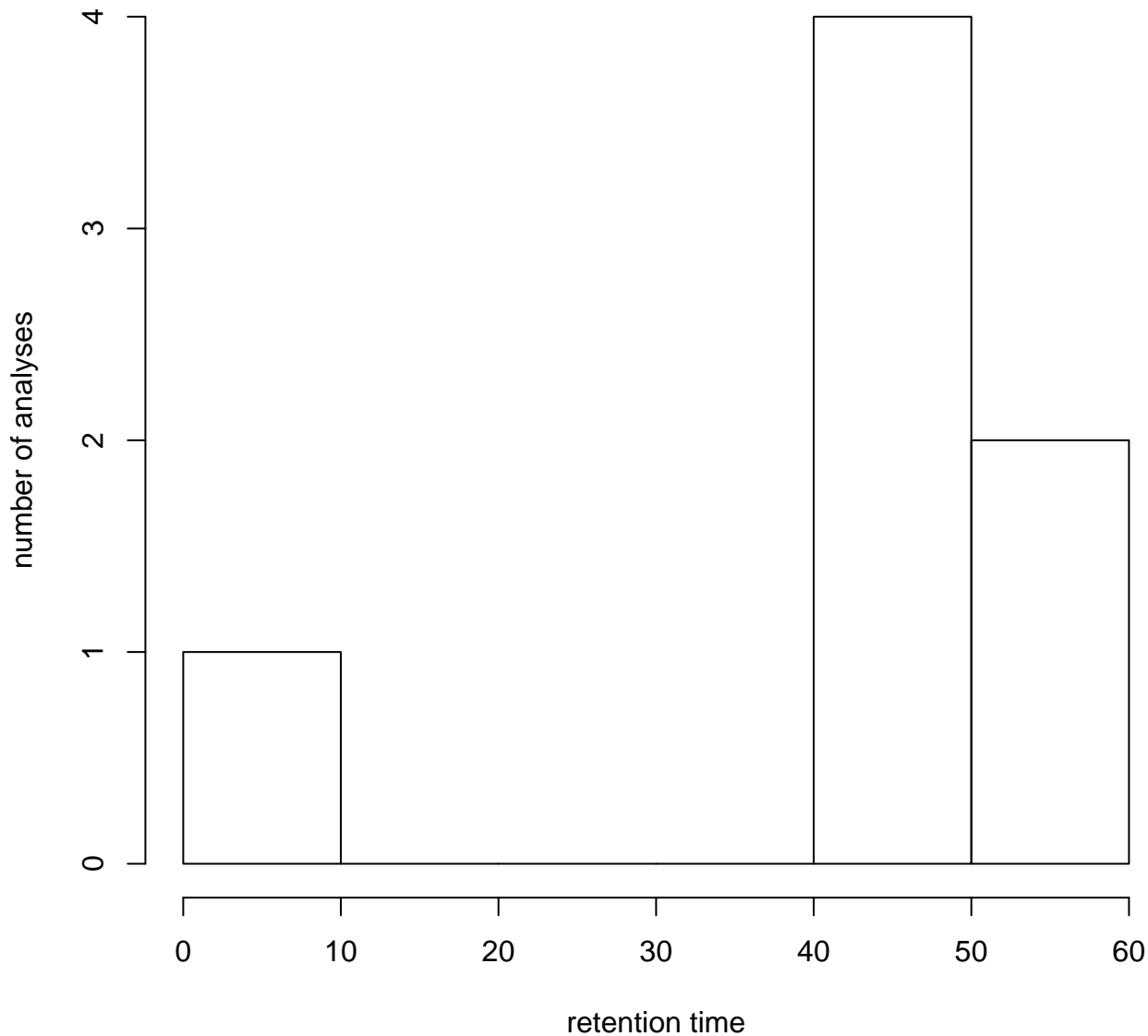
Distribution of retention time for the cluster 97

mean retention time = 35.341 ; range of retention times = 43.502



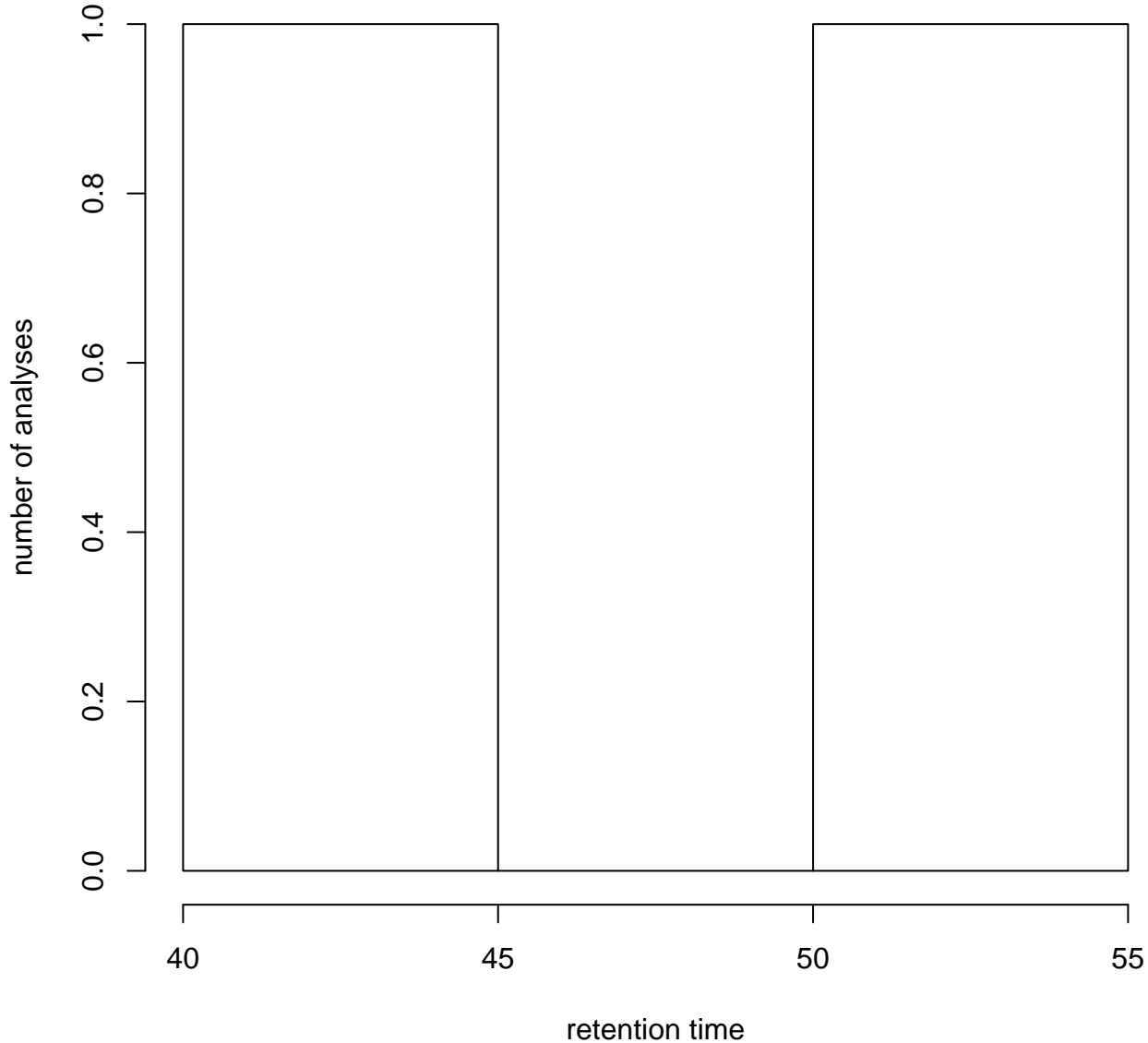
Distribution of retention time for the cluster 98

mean retention time = 41.777 ; range of retention times = 44.192



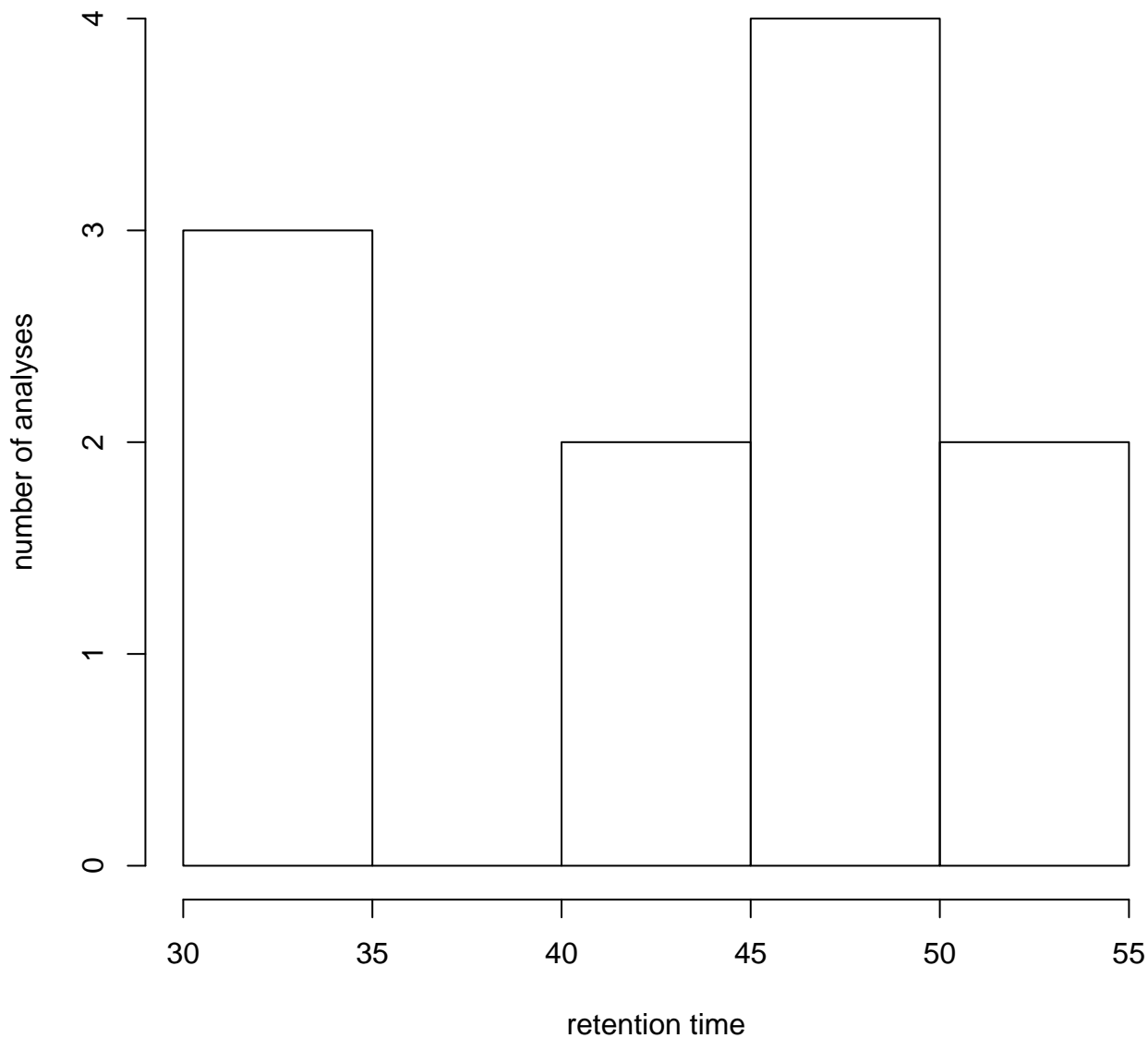
Distribution of retention time for the cluster 99

mean retention time = 48.215 ; range of retention times = 6.781



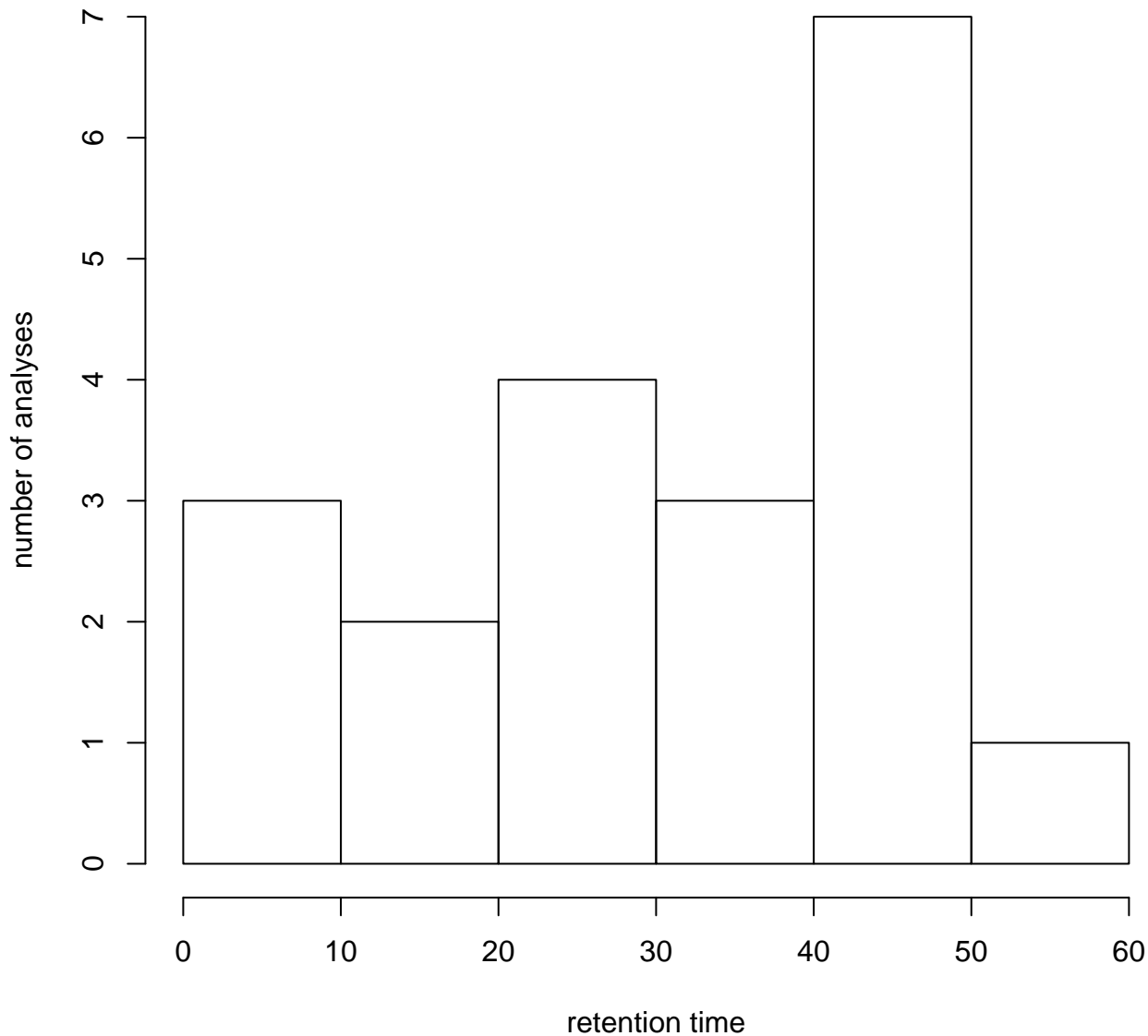
Distribution of retention time for the cluster 100

mean retention time = 43.473 ; range of retention times = 21.043



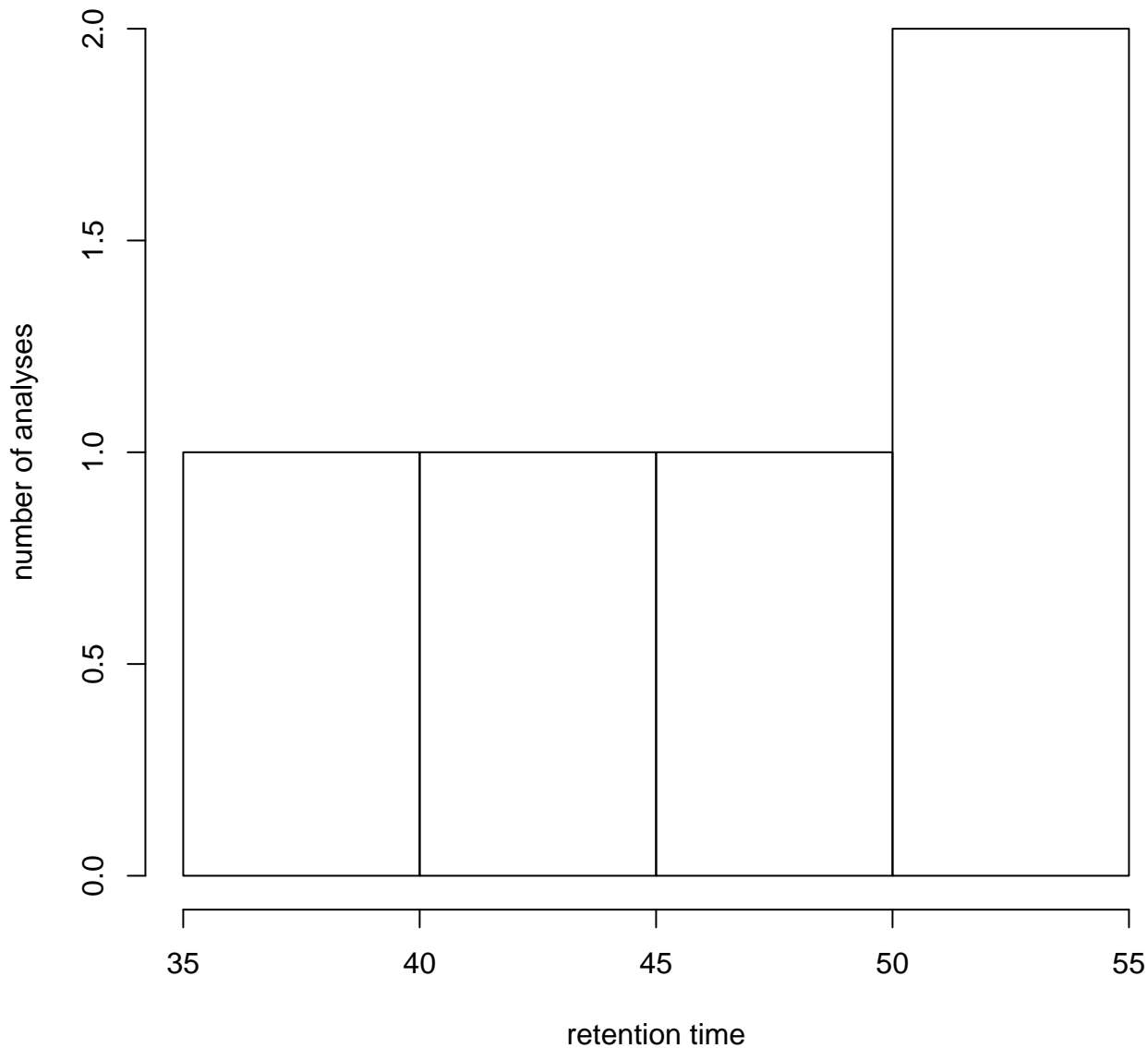
Distribution of retention time for the cluster 101

mean retention time = 32.016 ; range of retention times = 43.719



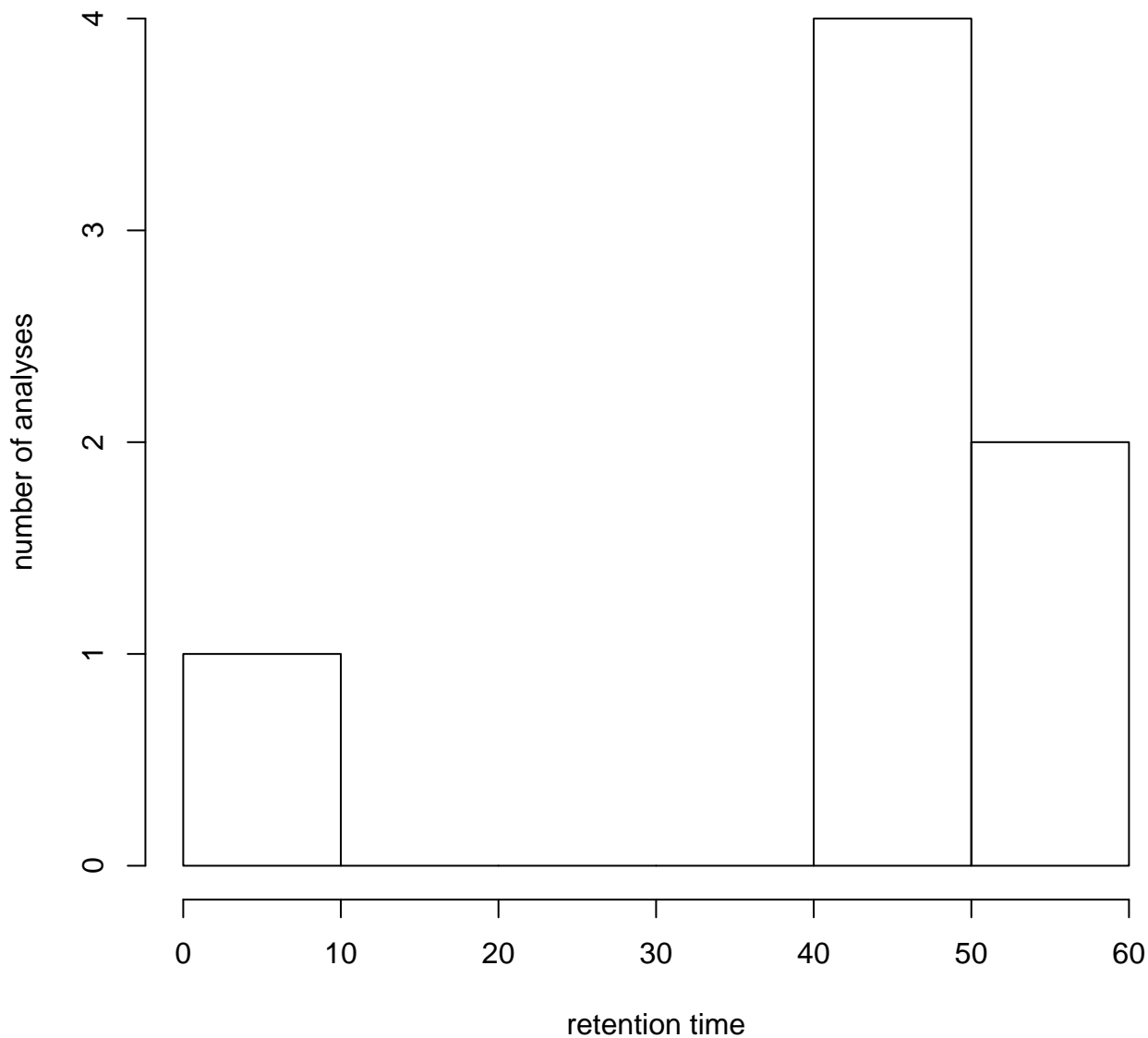
Distribution of retention time for the cluster 102

mean retention time = 45.796 ; range of retention times = 16.834



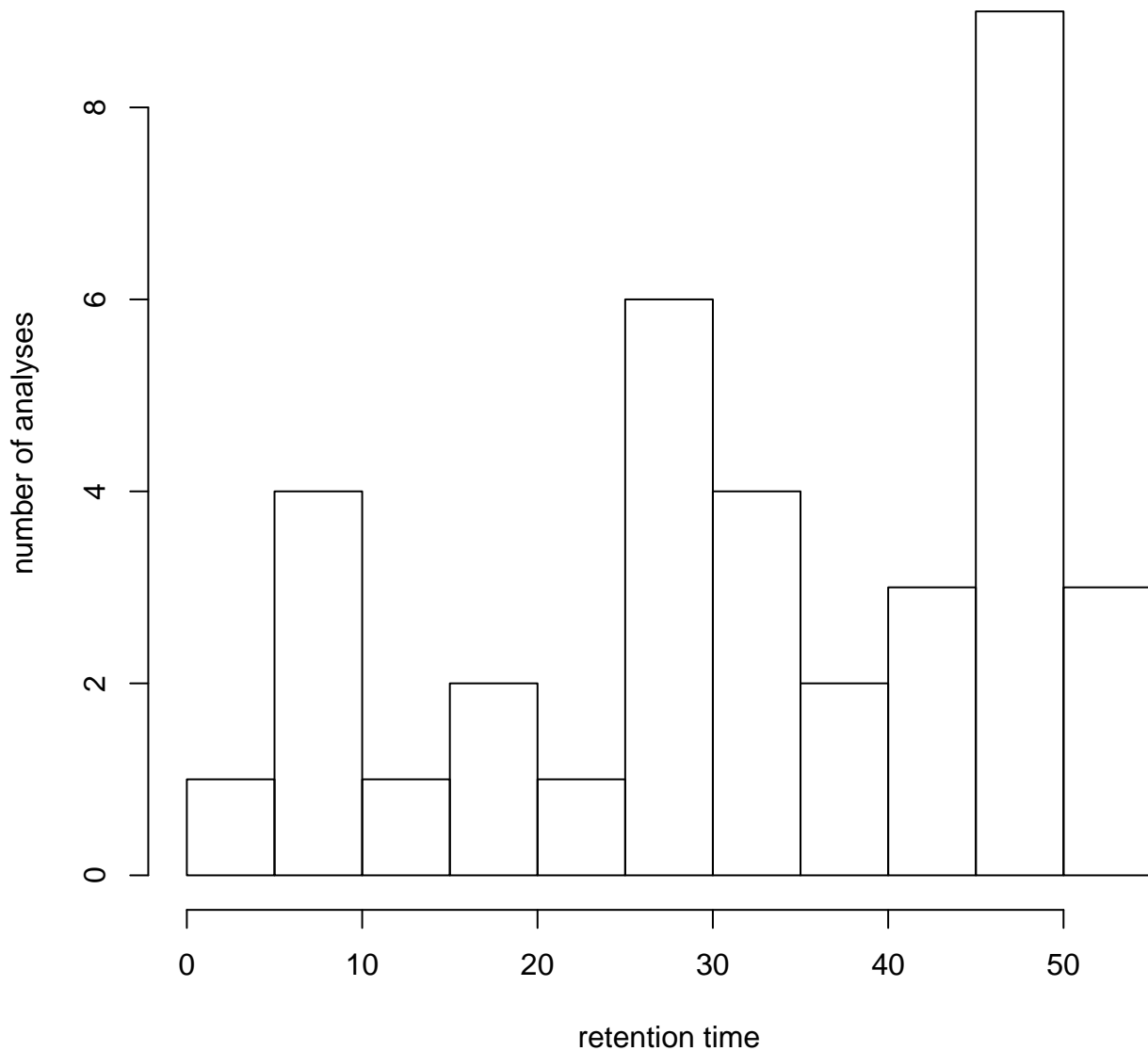
Distribution of retention time for the cluster 103

mean retention time = 40.968 ; range of retention times = 42.785



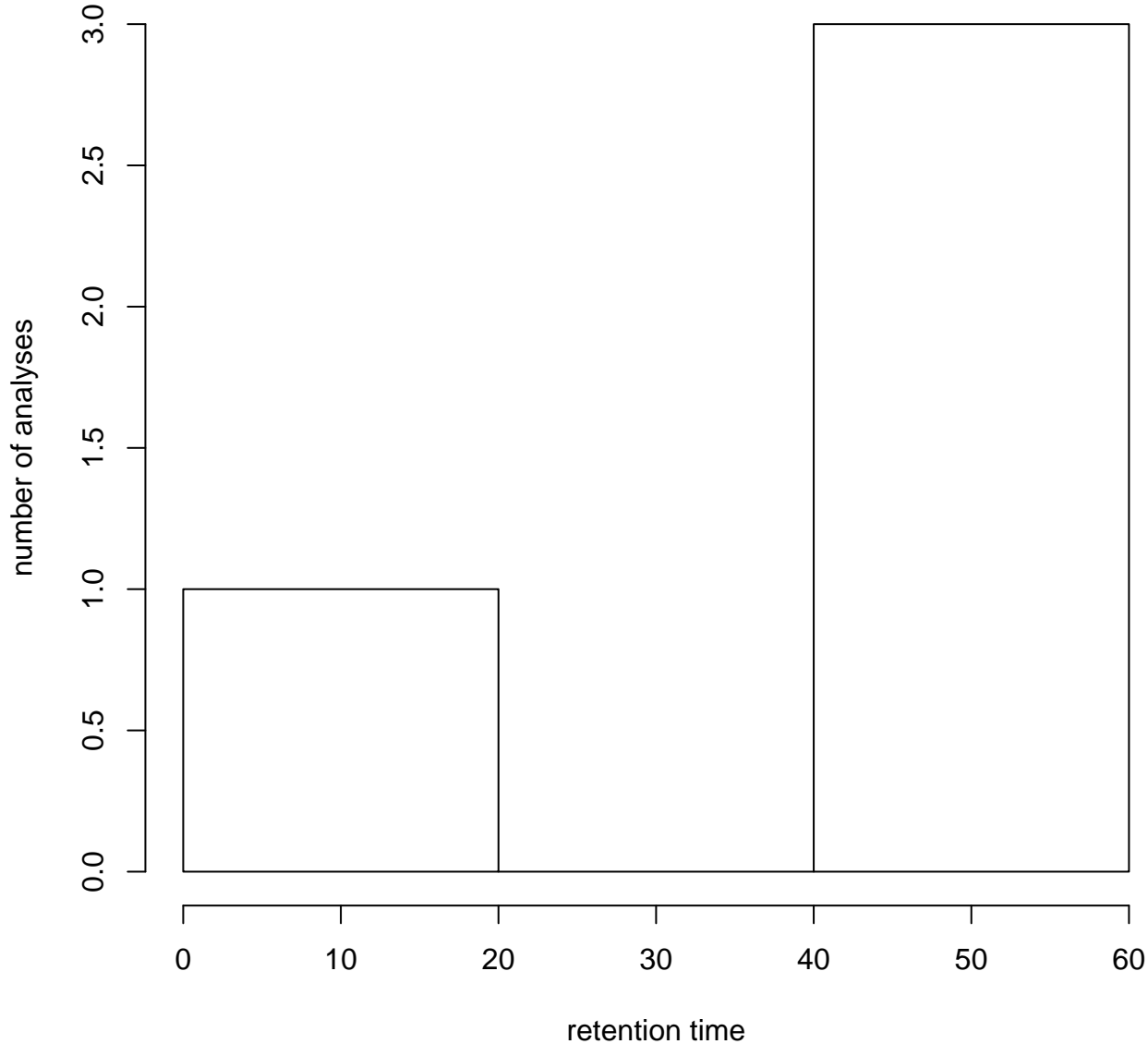
Distribution of retention time for the cluster 104

mean retention time = 33.288 ; range of retention times = 48.494



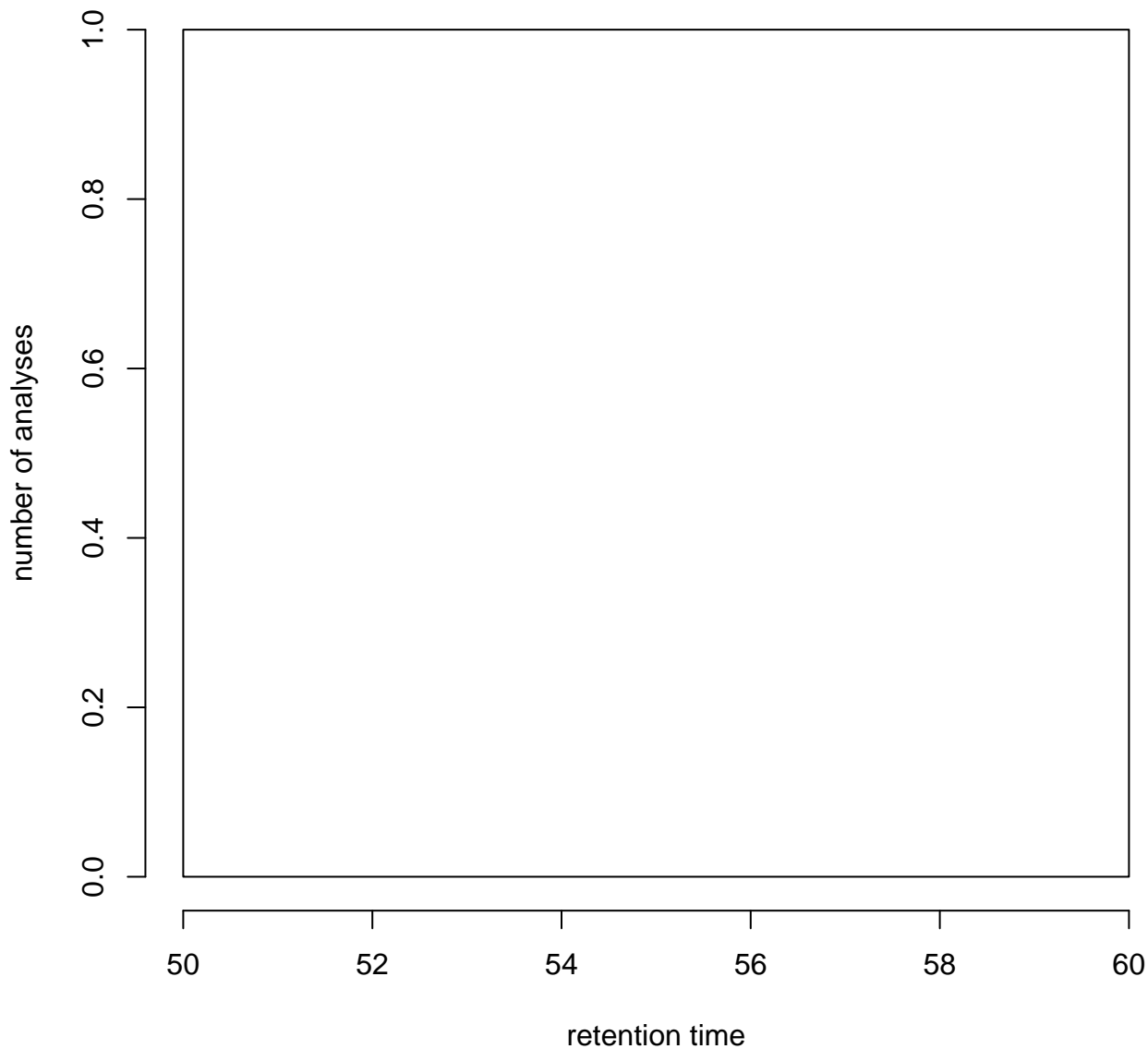
Distribution of retention time for the cluster 105

mean retention time = 38.174 ; range of retention times = 44.159



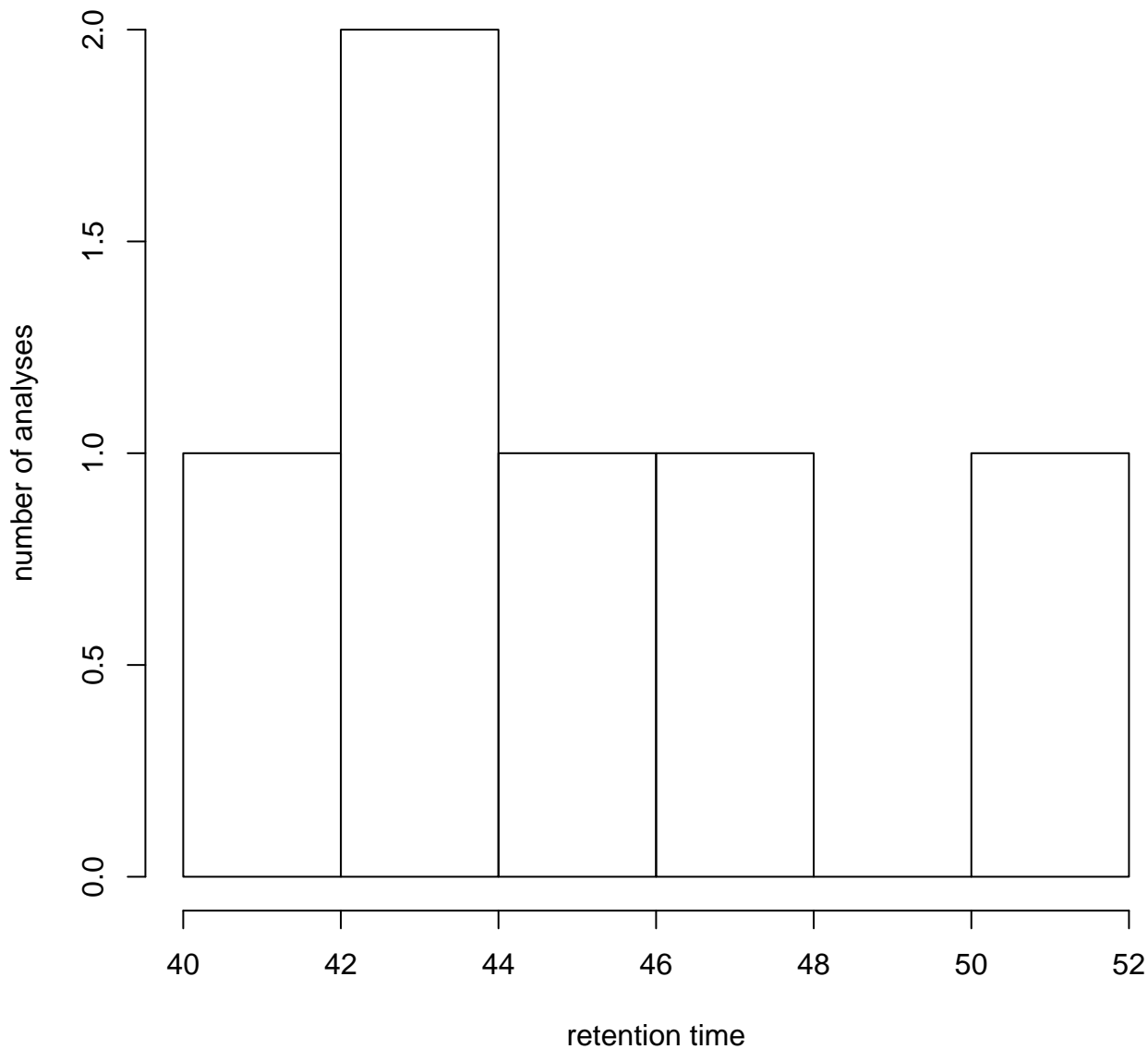
Distribution of retention time for the cluster 106

mean retention time = 50.453 ; range of retention times = 0



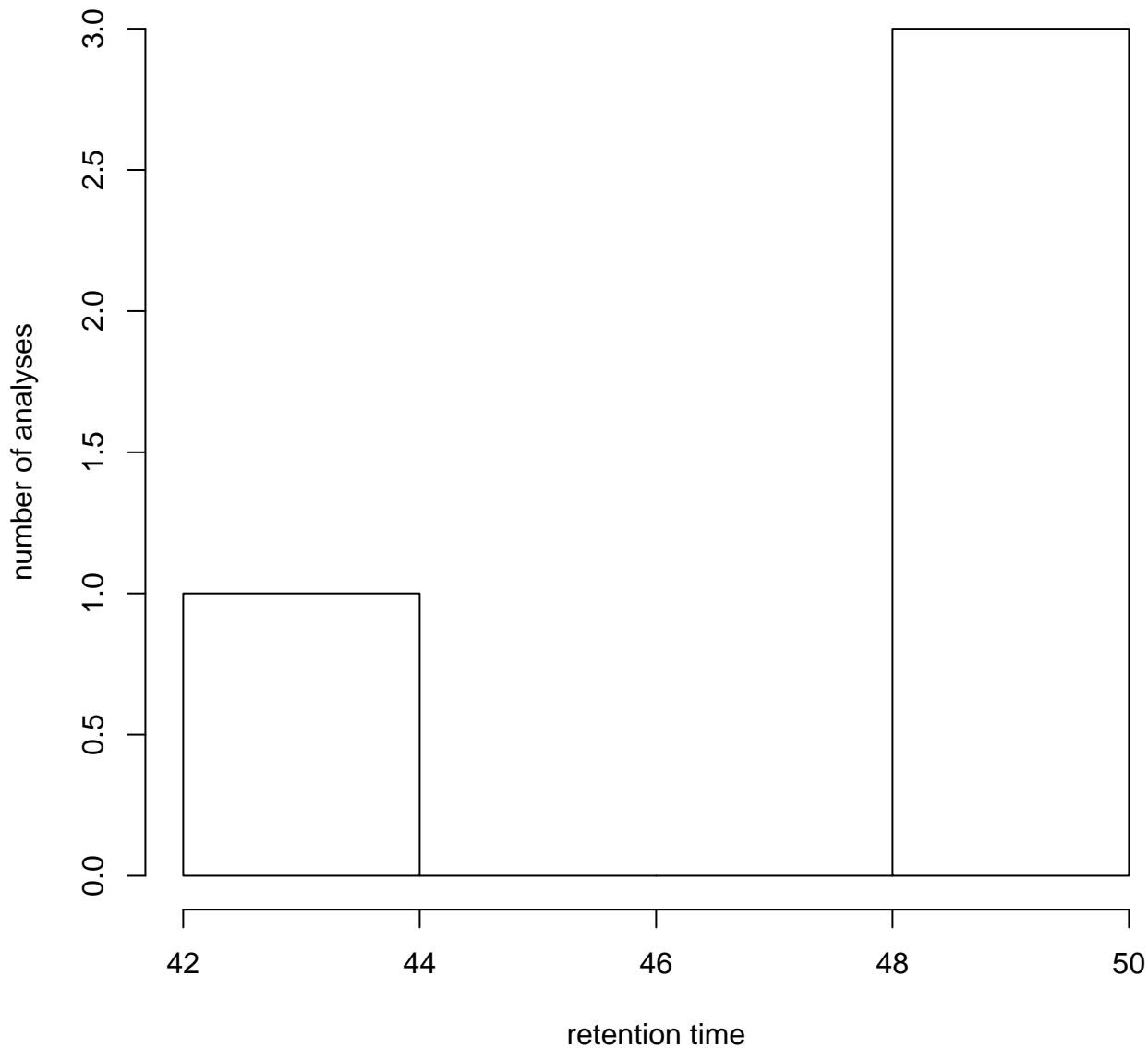
Distribution of retention time for the cluster 107

mean retention time = 45.026 ; range of retention times = 9.08



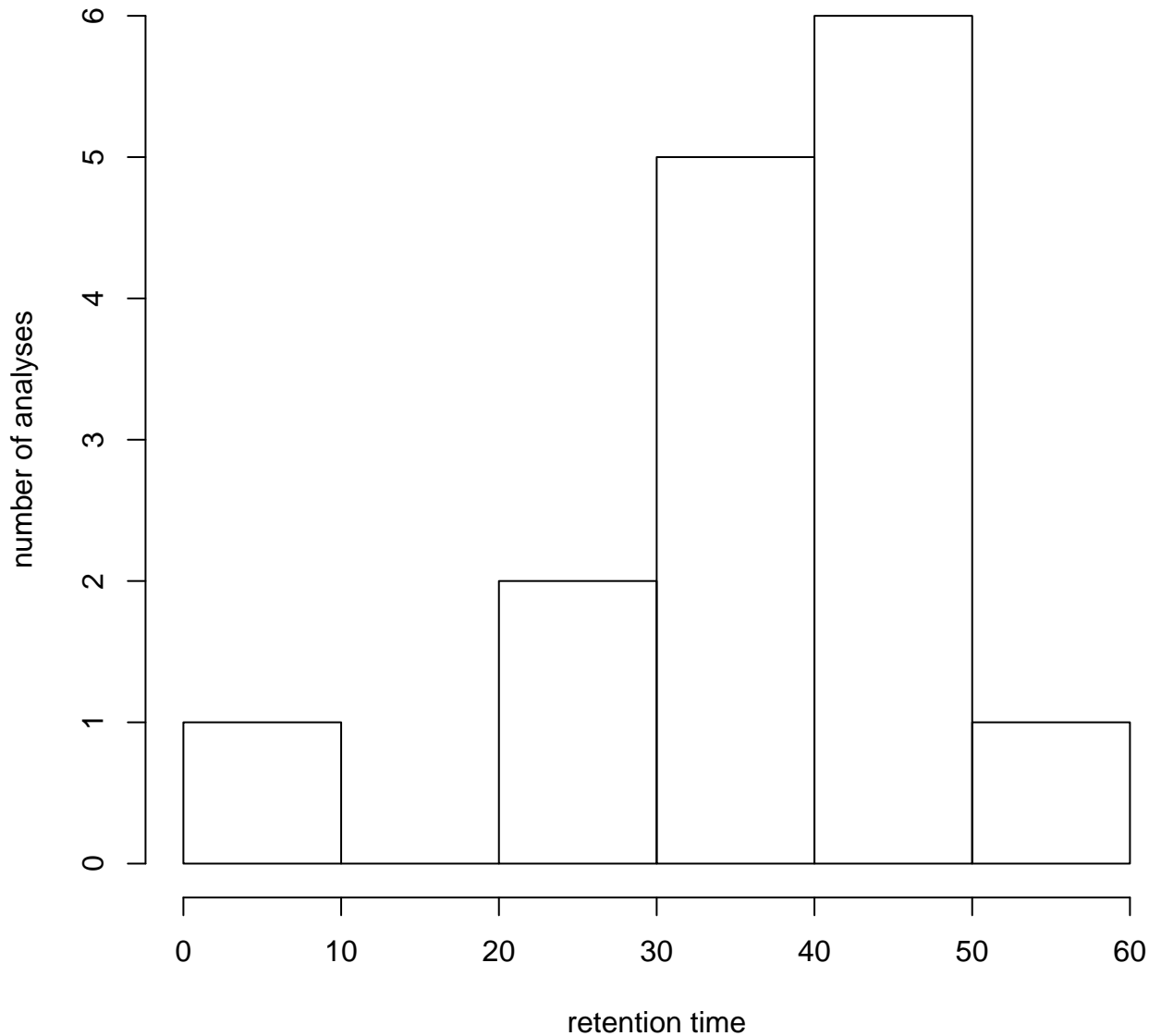
Distribution of retention time for the cluster 108

mean retention time = 47.608 ; range of retention times = 5.707



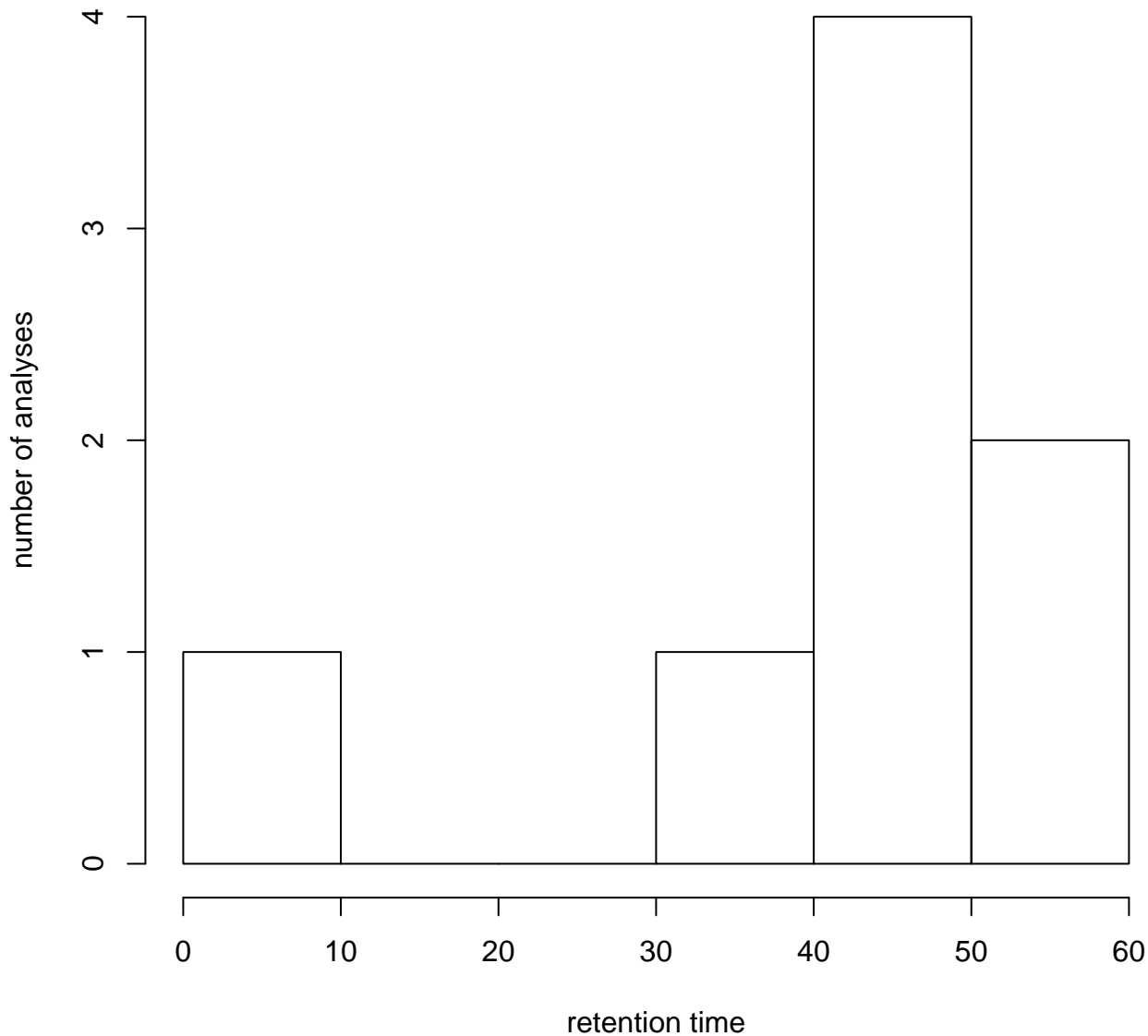
Distribution of retention time for the cluster 109

mean retention time = 37.295 ; range of retention times = 44.473



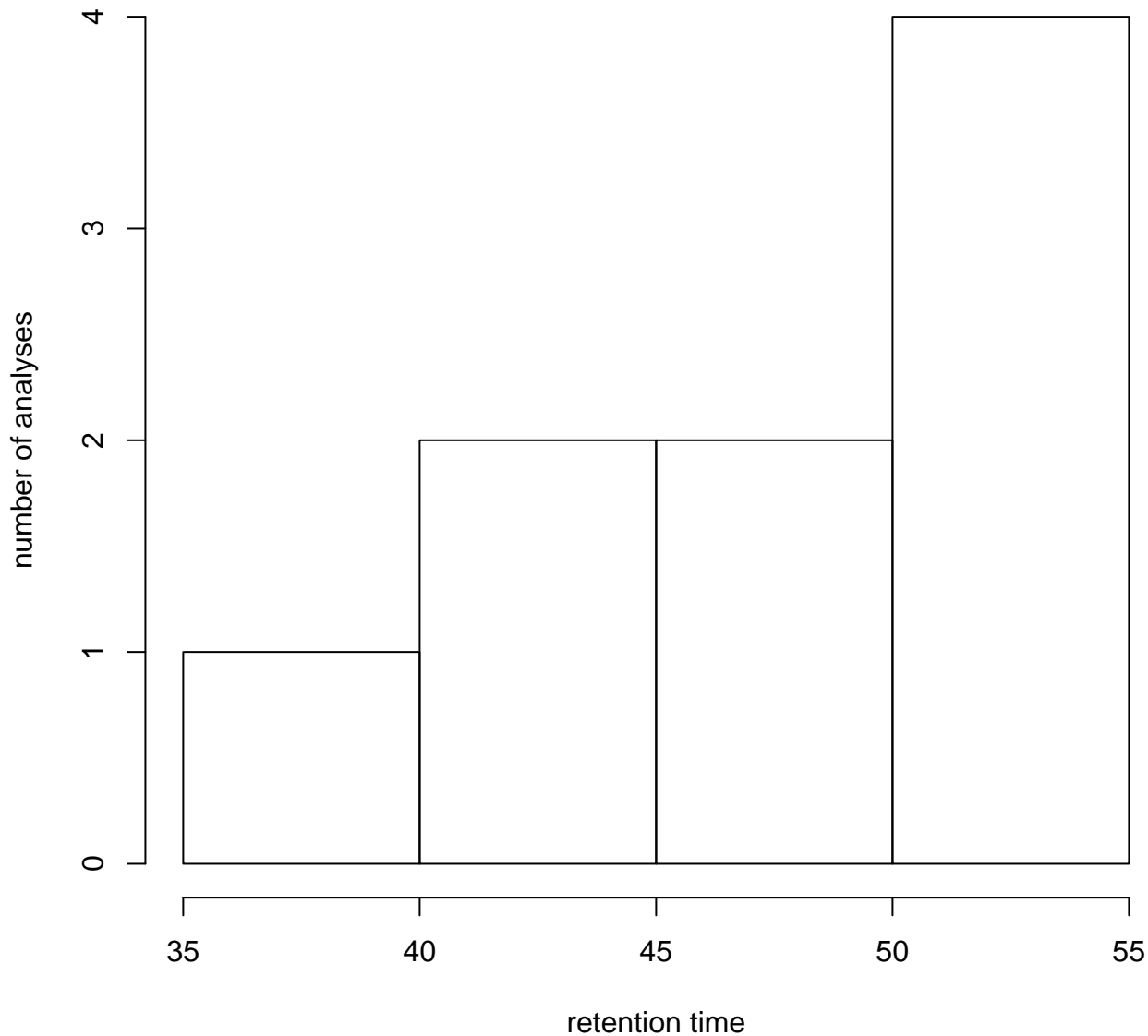
Distribution of retention time for the cluster 110

mean retention time = 41.872 ; range of retention times = 42.674



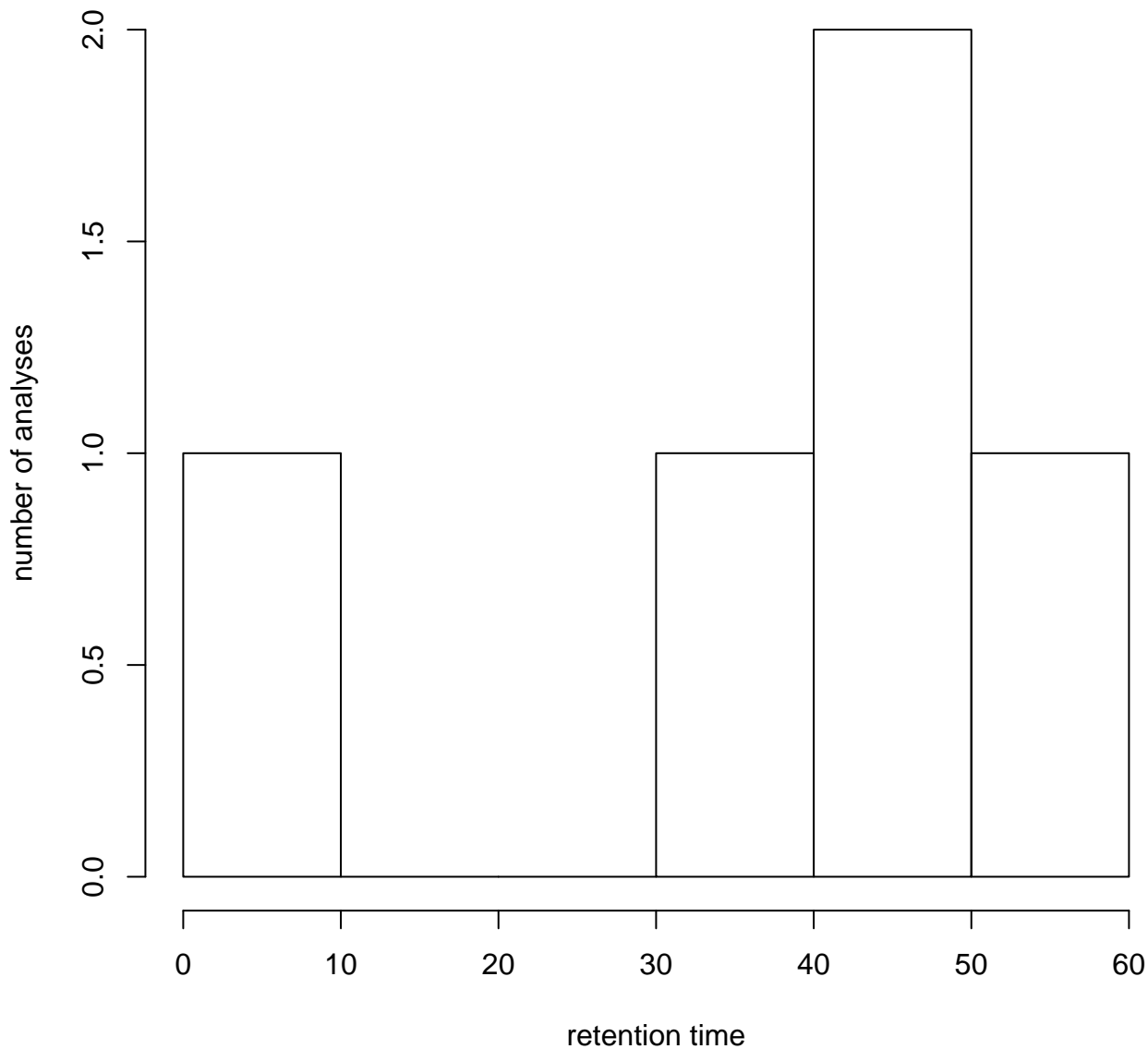
Distribution of retention time for the cluster 111

mean retention time = 47.361 ; range of retention times = 17.218



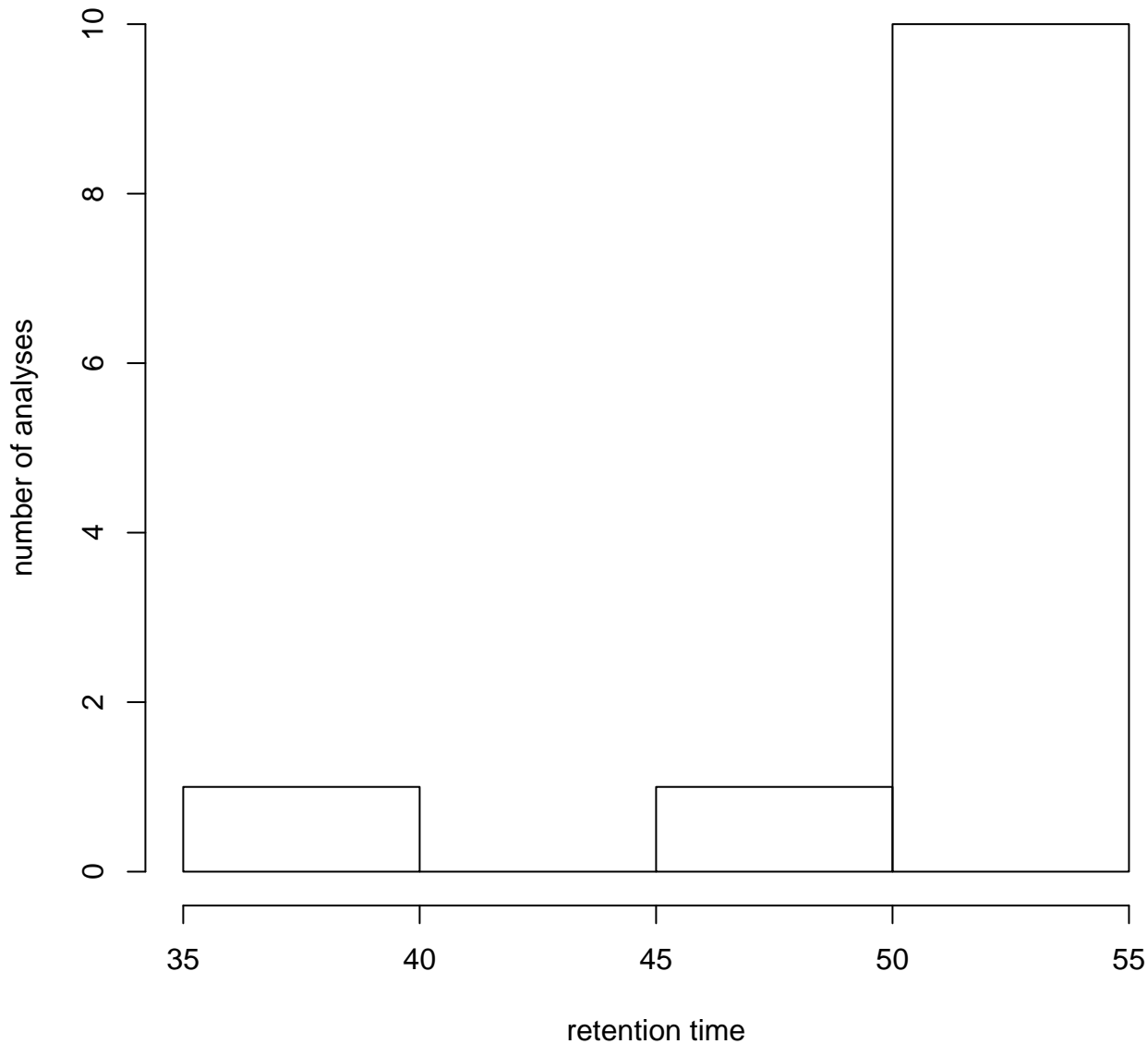
Distribution of retention time for the cluster 112

mean retention time = 37.983 ; range of retention times = 44.185



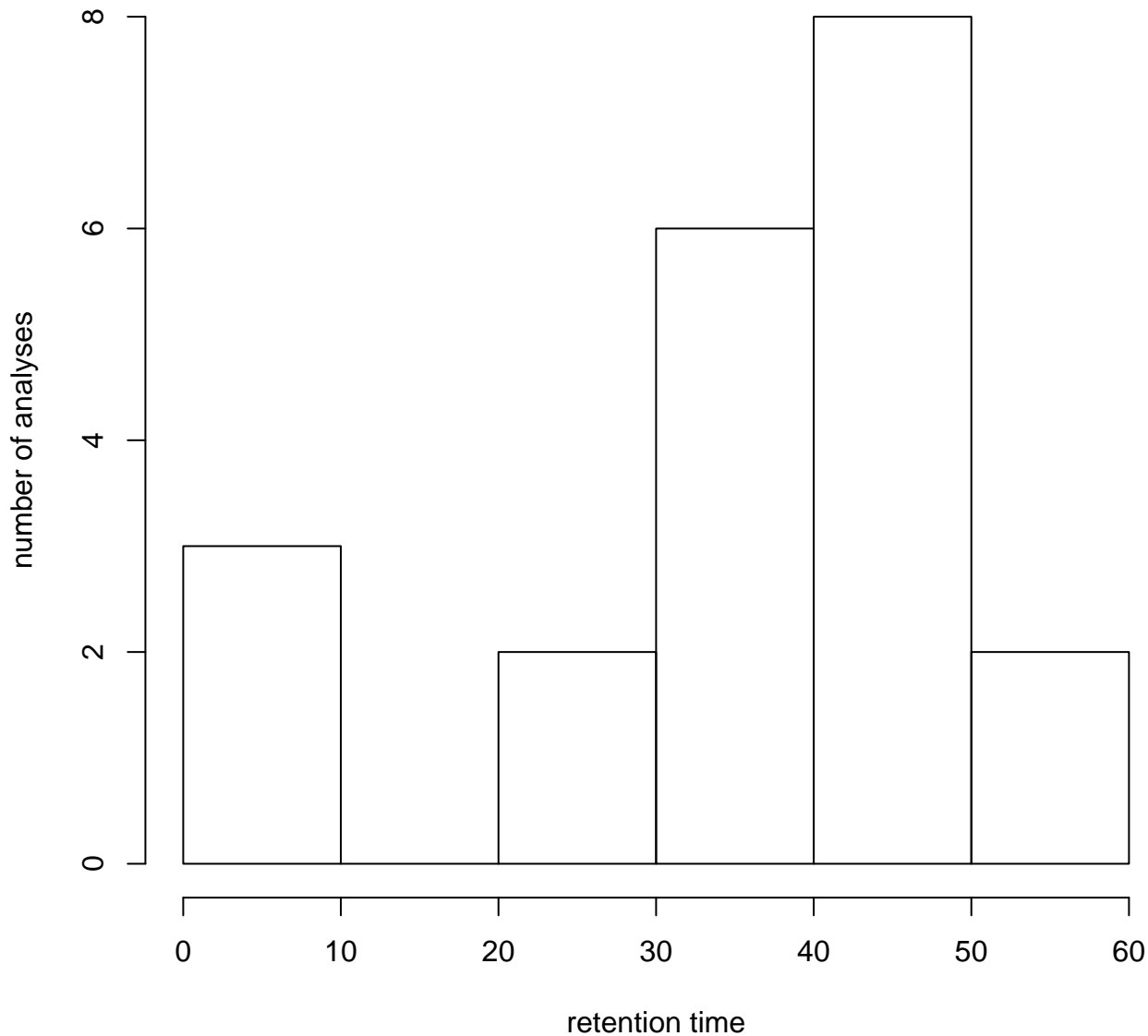
Distribution of retention time for the cluster 113

mean retention time = 49.707 ; range of retention times = 17.193



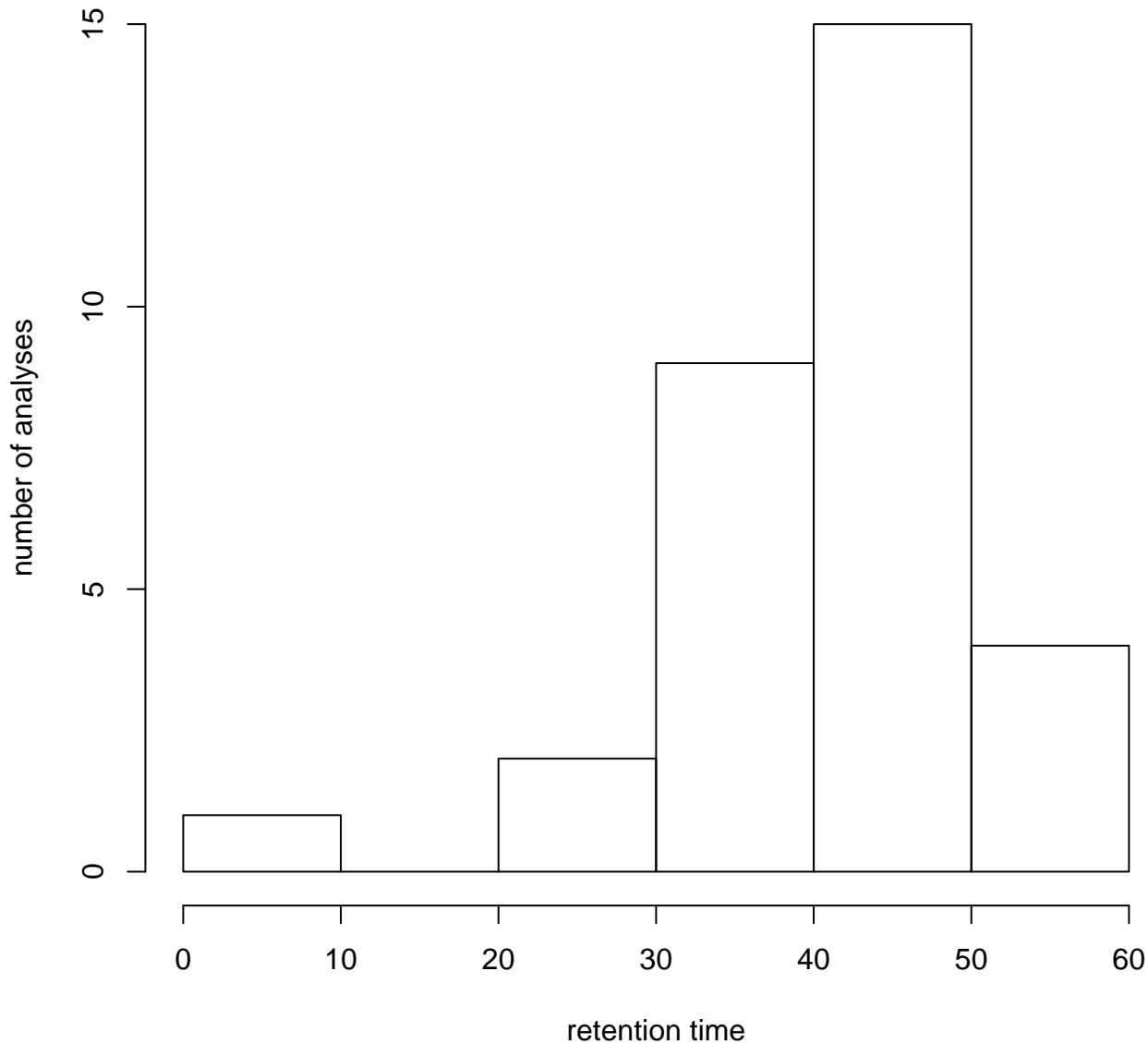
Distribution of retention time for the cluster 114

mean retention time = 35.463 ; range of retention times = 44.058



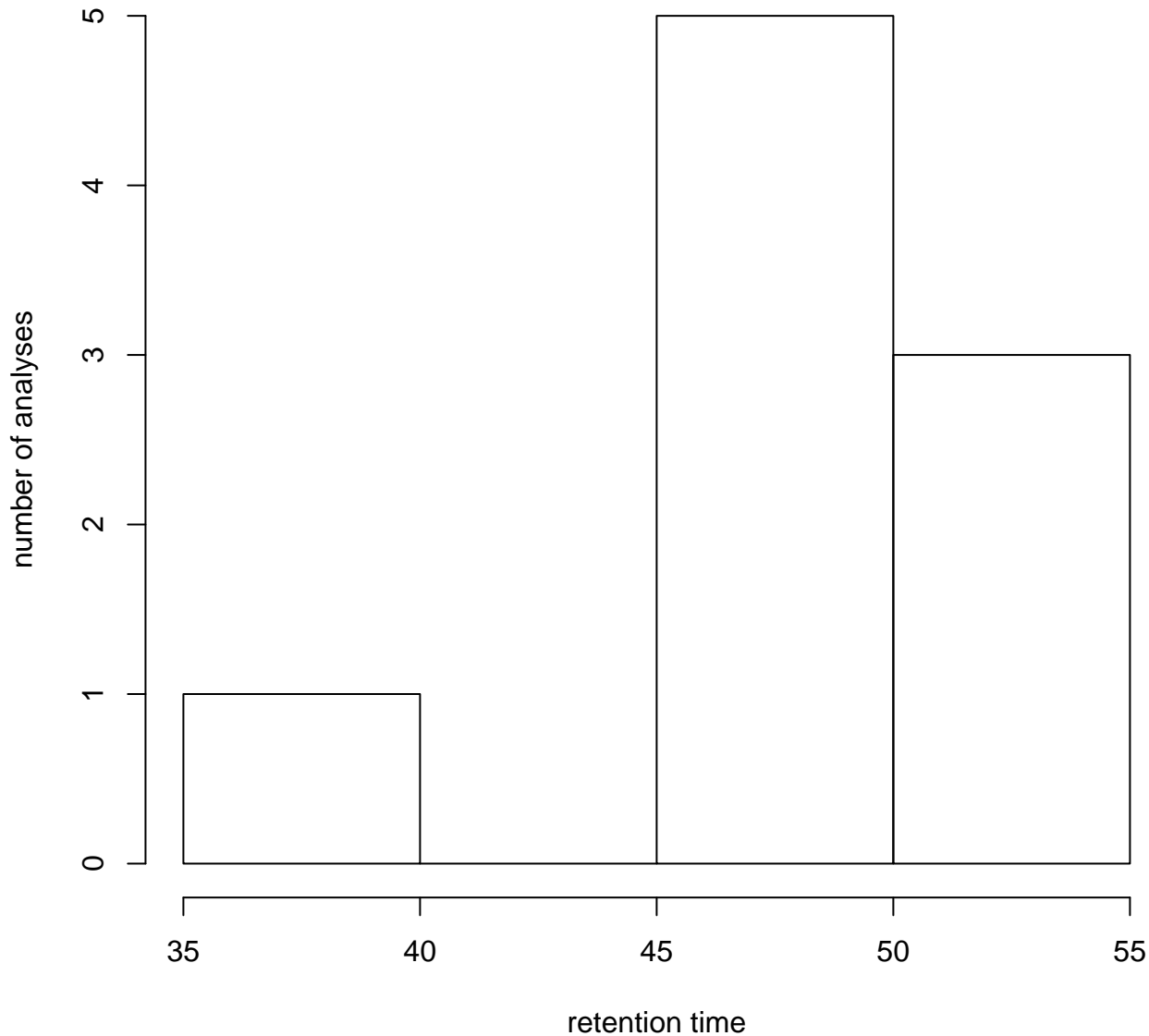
Distribution of retention time for the cluster 115

mean retention time = 40.833 ; range of retention times = 42.44



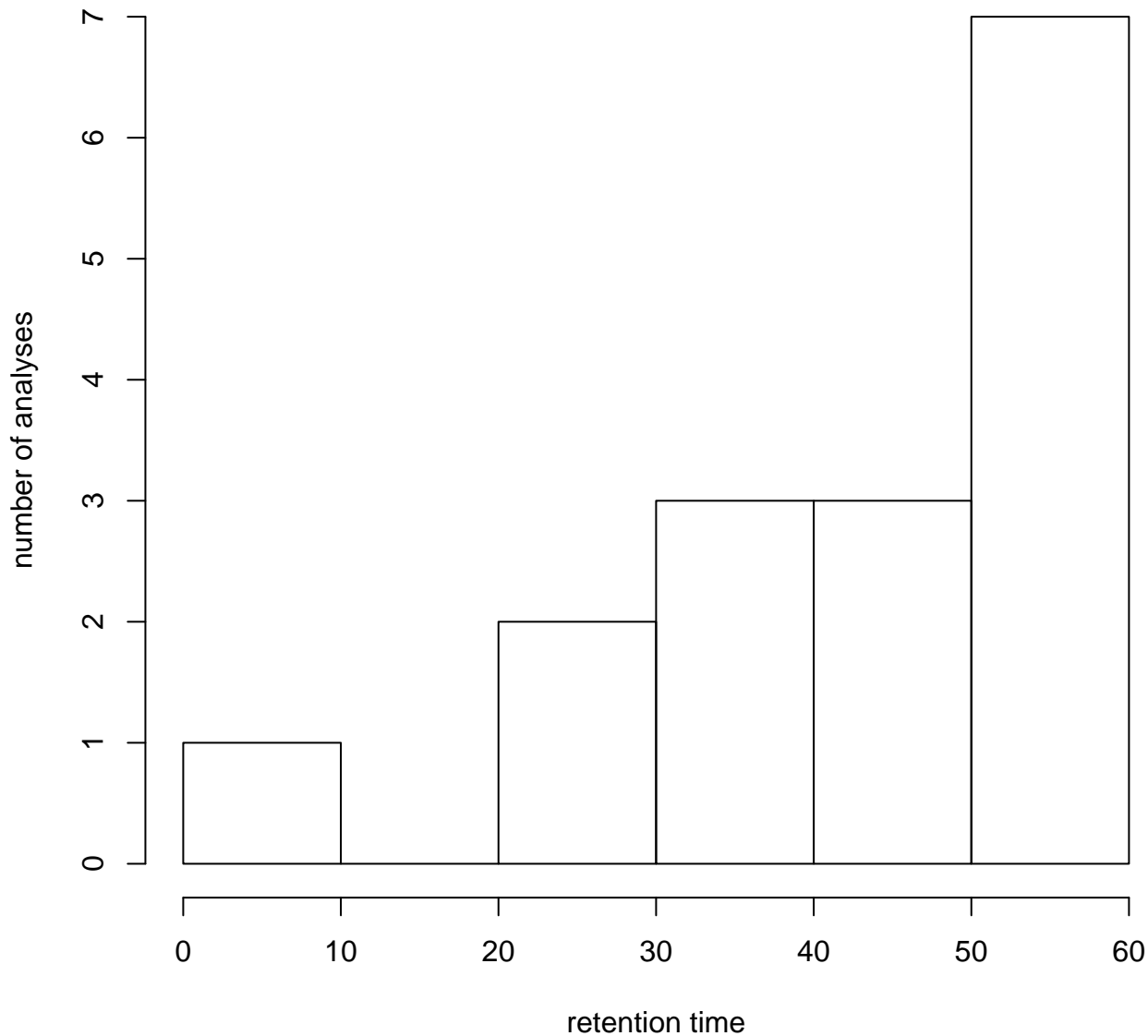
Distribution of retention time for the cluster 116

mean retention time = 48.778 ; range of retention times = 15.463



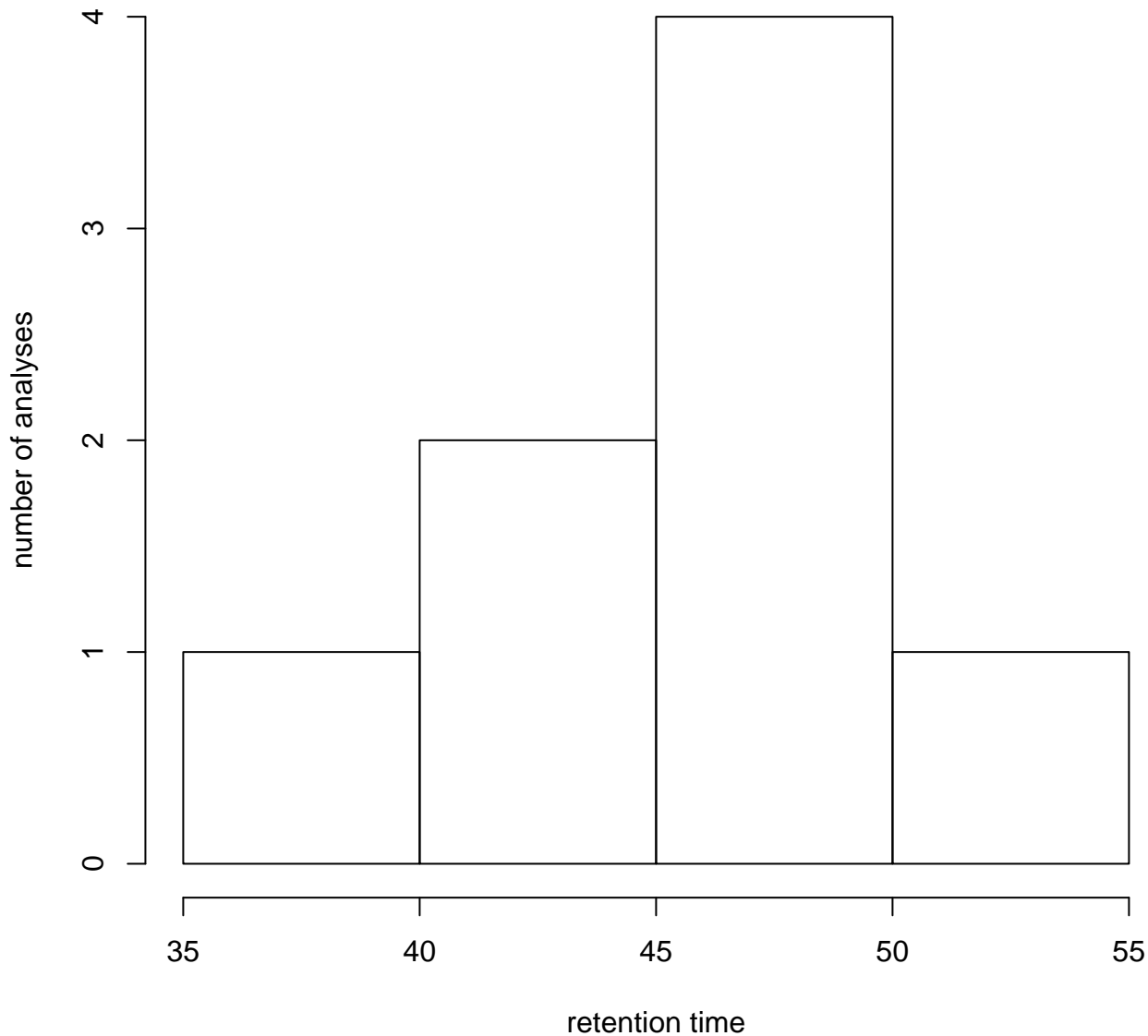
Distribution of retention time for the cluster 117

mean retention time = 41.758 ; range of retention times = 45.793



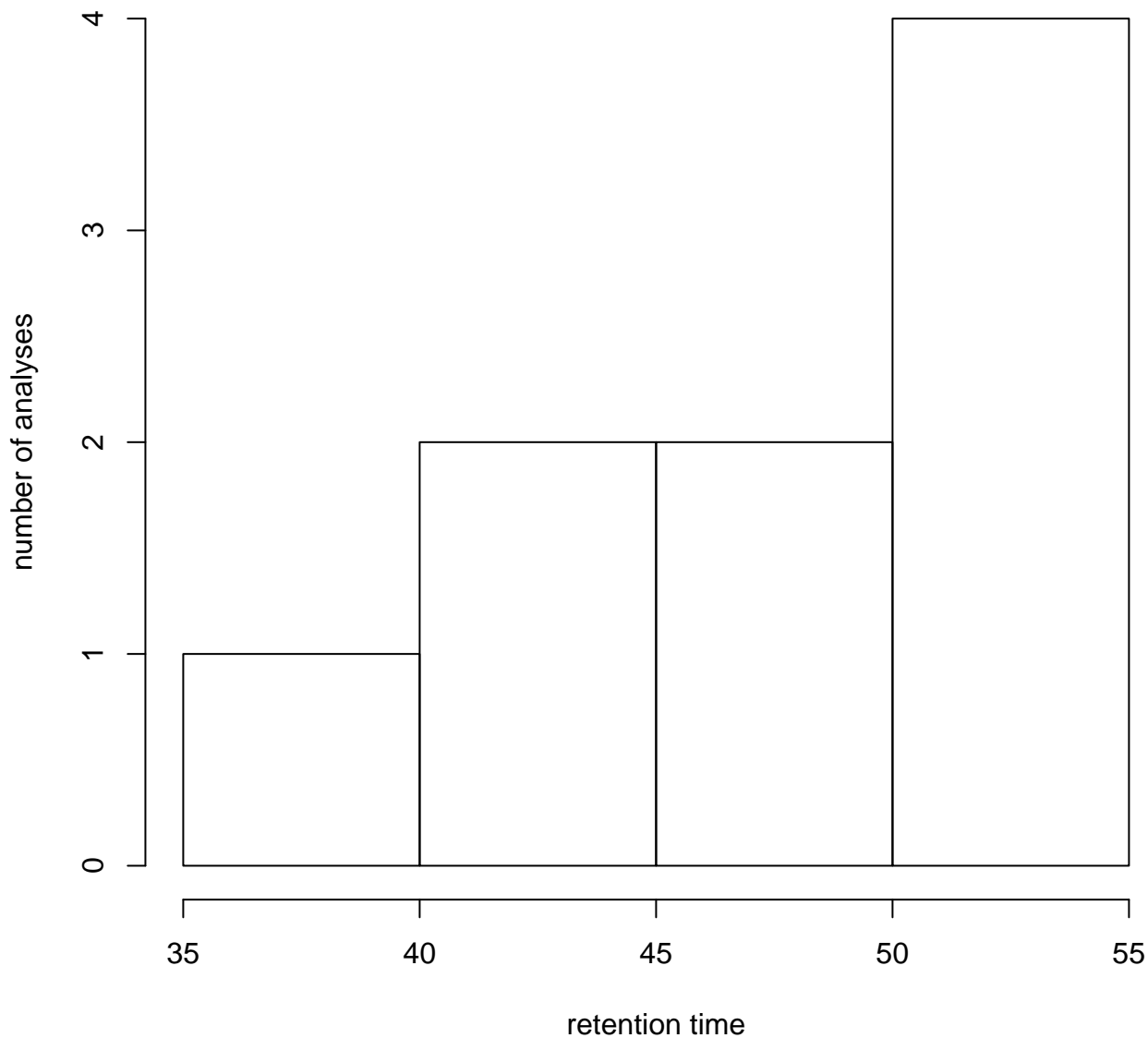
Distribution of retention time for the cluster 118

mean retention time = 45.391 ; range of retention times = 12.421



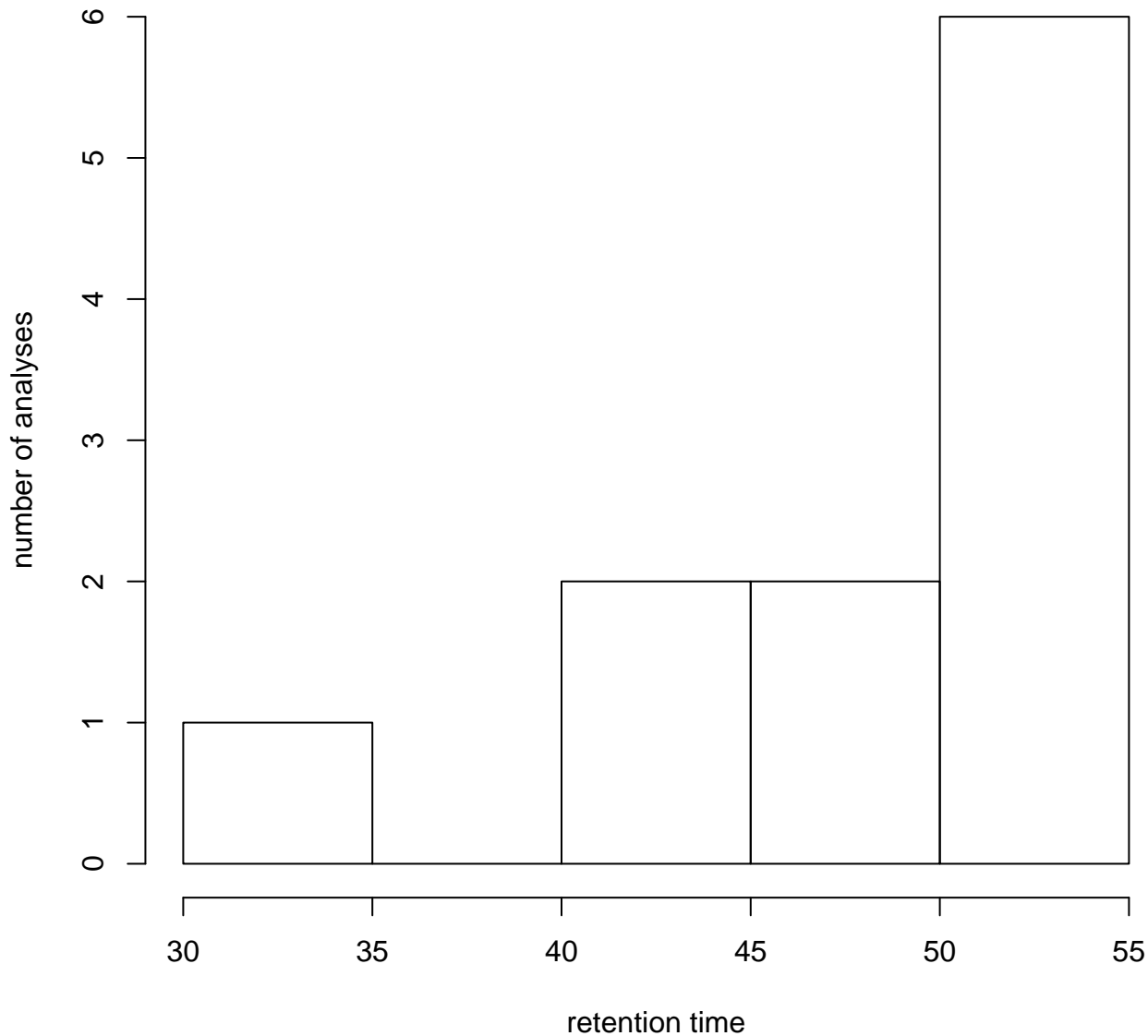
Distribution of retention time for the cluster 119

mean retention time = 47.353 ; range of retention times = 16.822



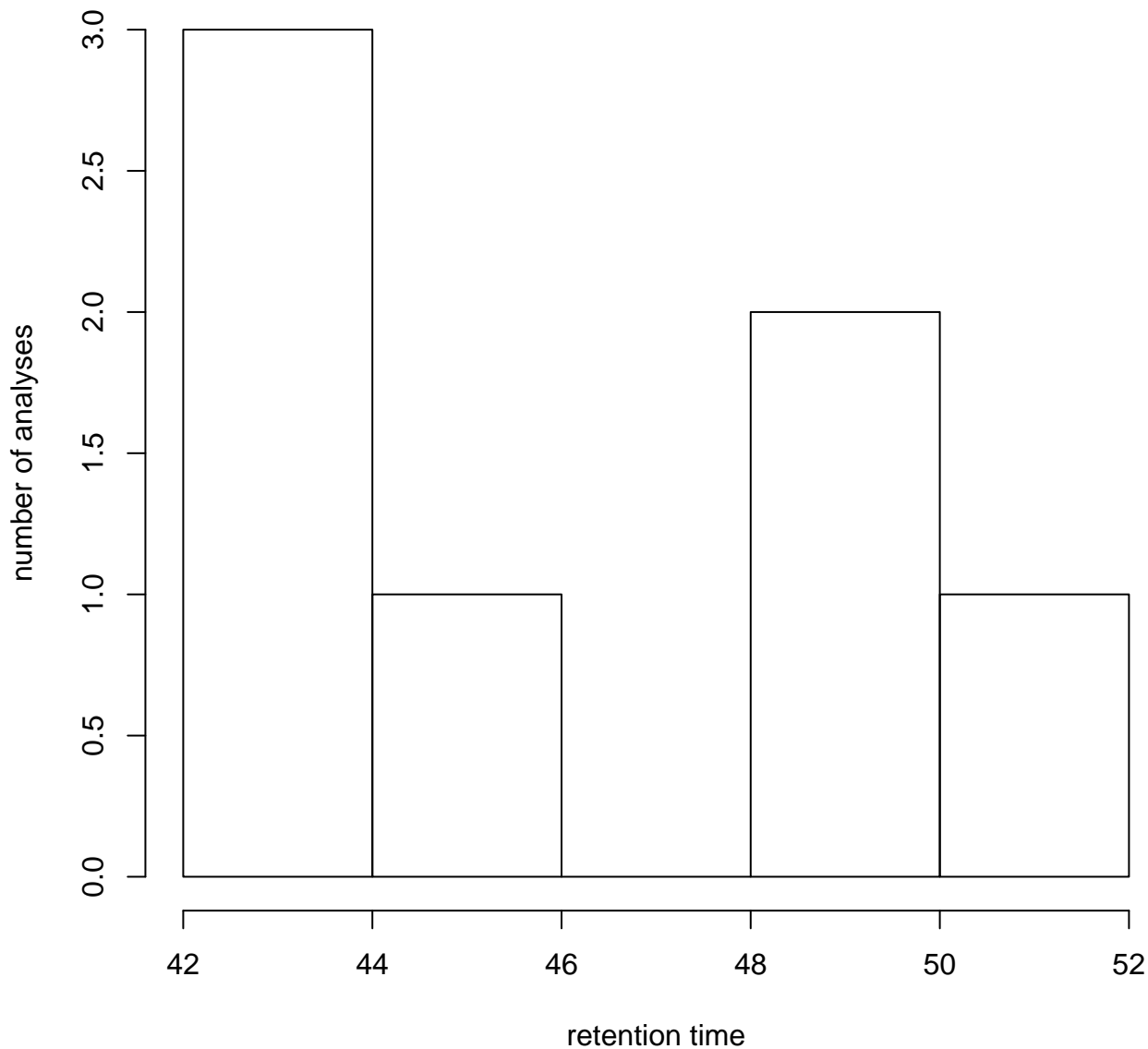
Distribution of retention time for the cluster 120

mean retention time = 47.176 ; range of retention times = 20.463



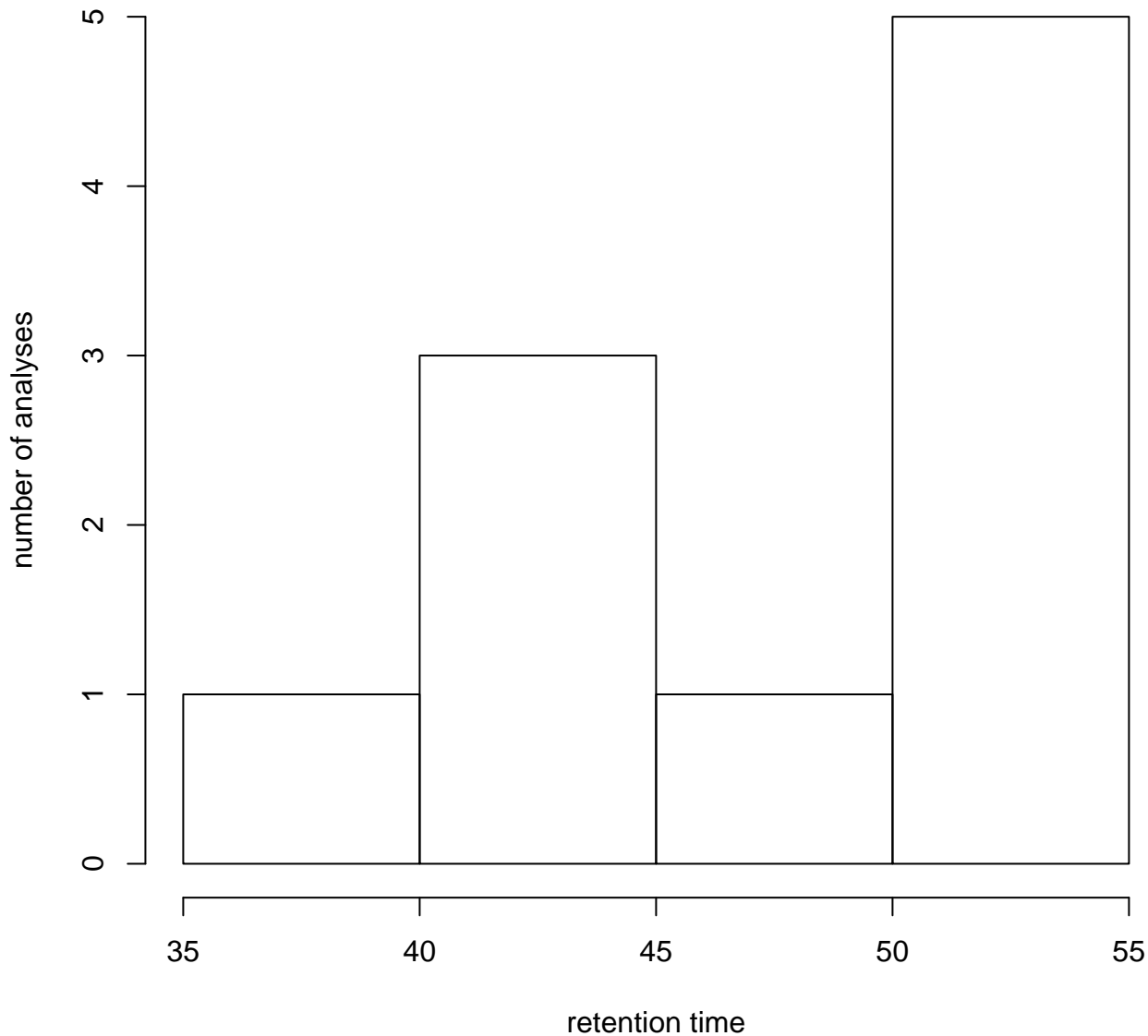
Distribution of retention time for the cluster 121

mean retention time = 46.23 ; range of retention times = 7.143



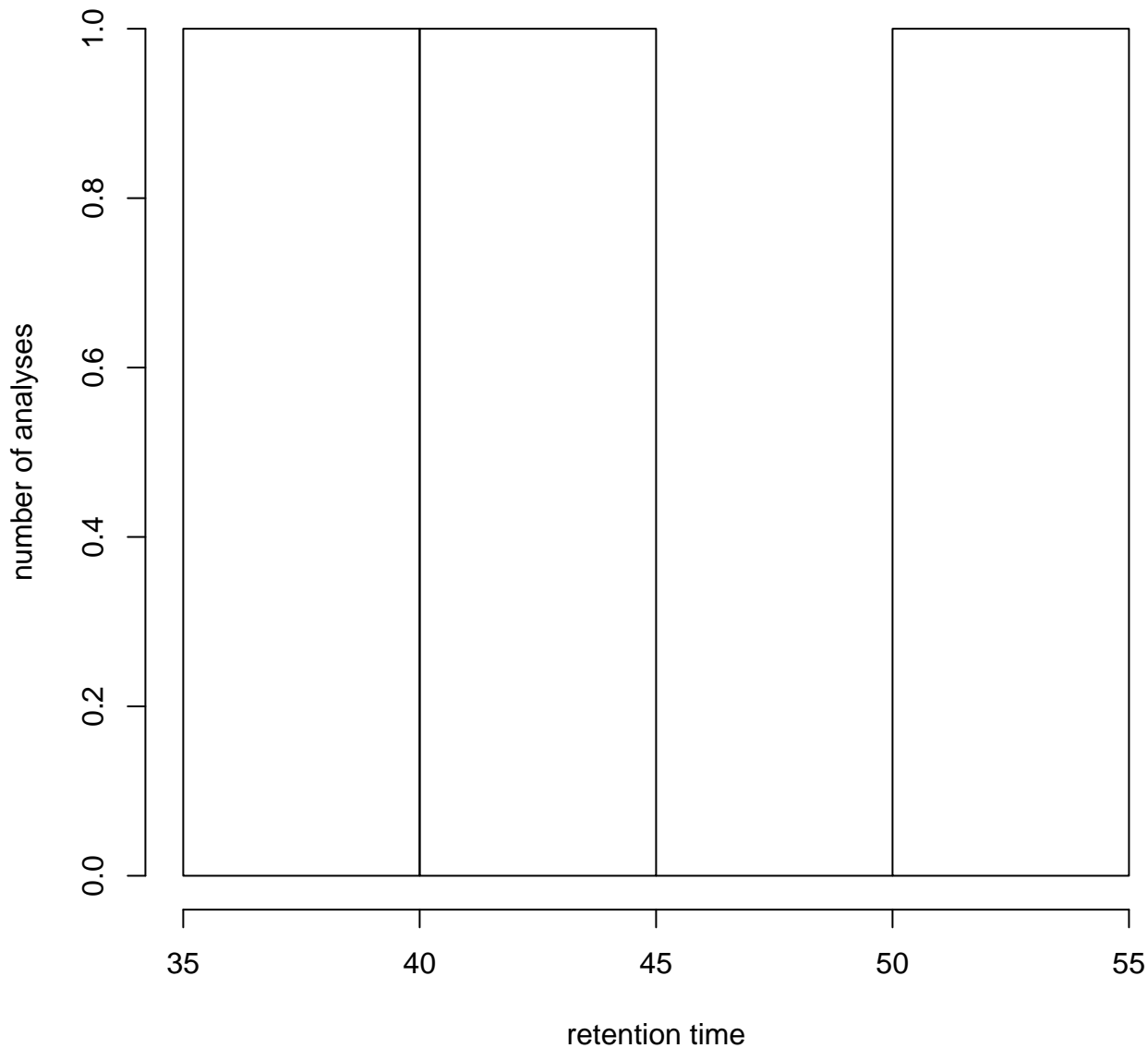
Distribution of retention time for the cluster 122

mean retention time = 46.733 ; range of retention times = 15.479



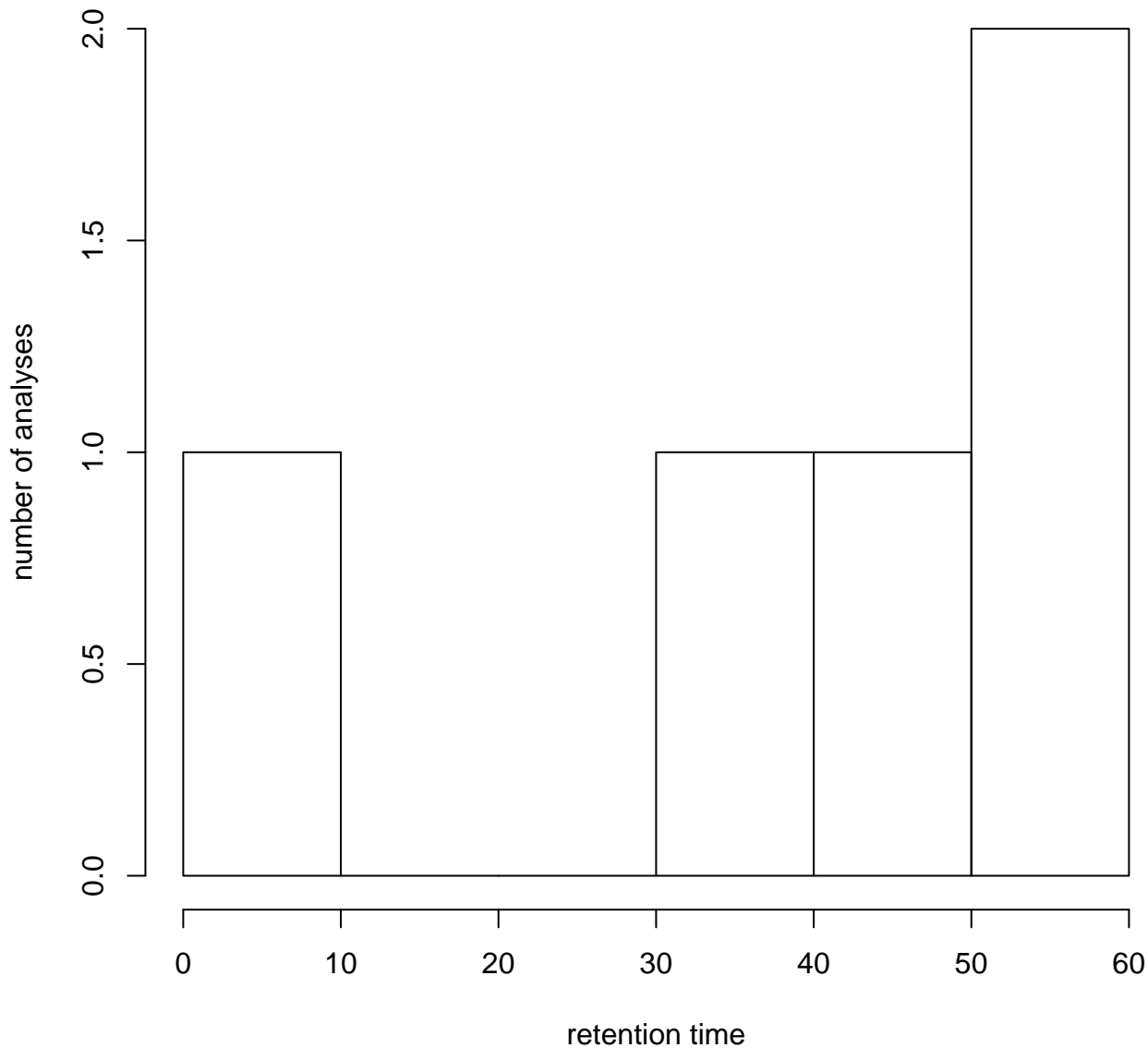
Distribution of retention time for the cluster 123

mean retention time = 44.107 ; range of retention times = 16.694



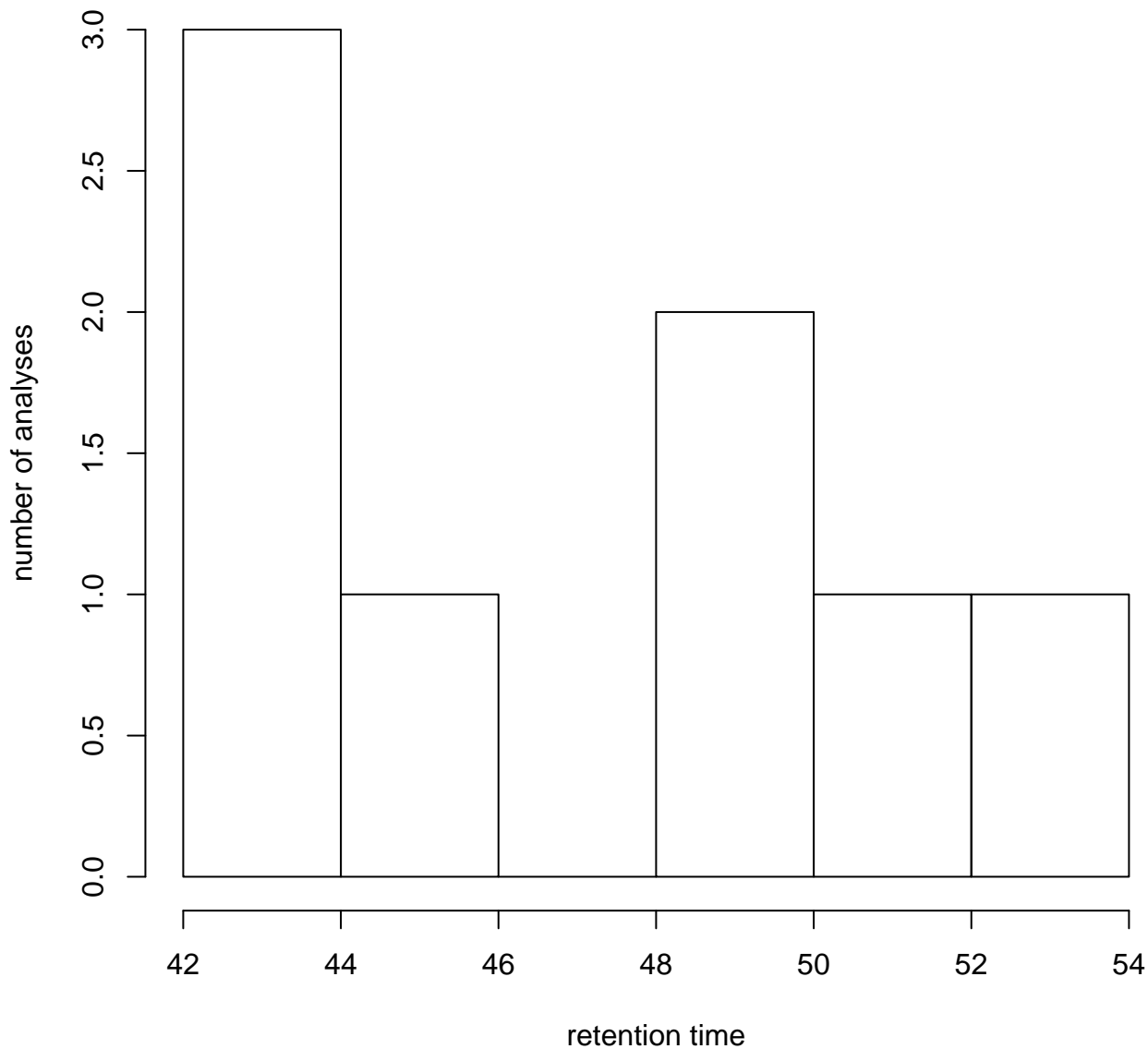
Distribution of retention time for the cluster 124

mean retention time = 38.787 ; range of retention times = 45.552



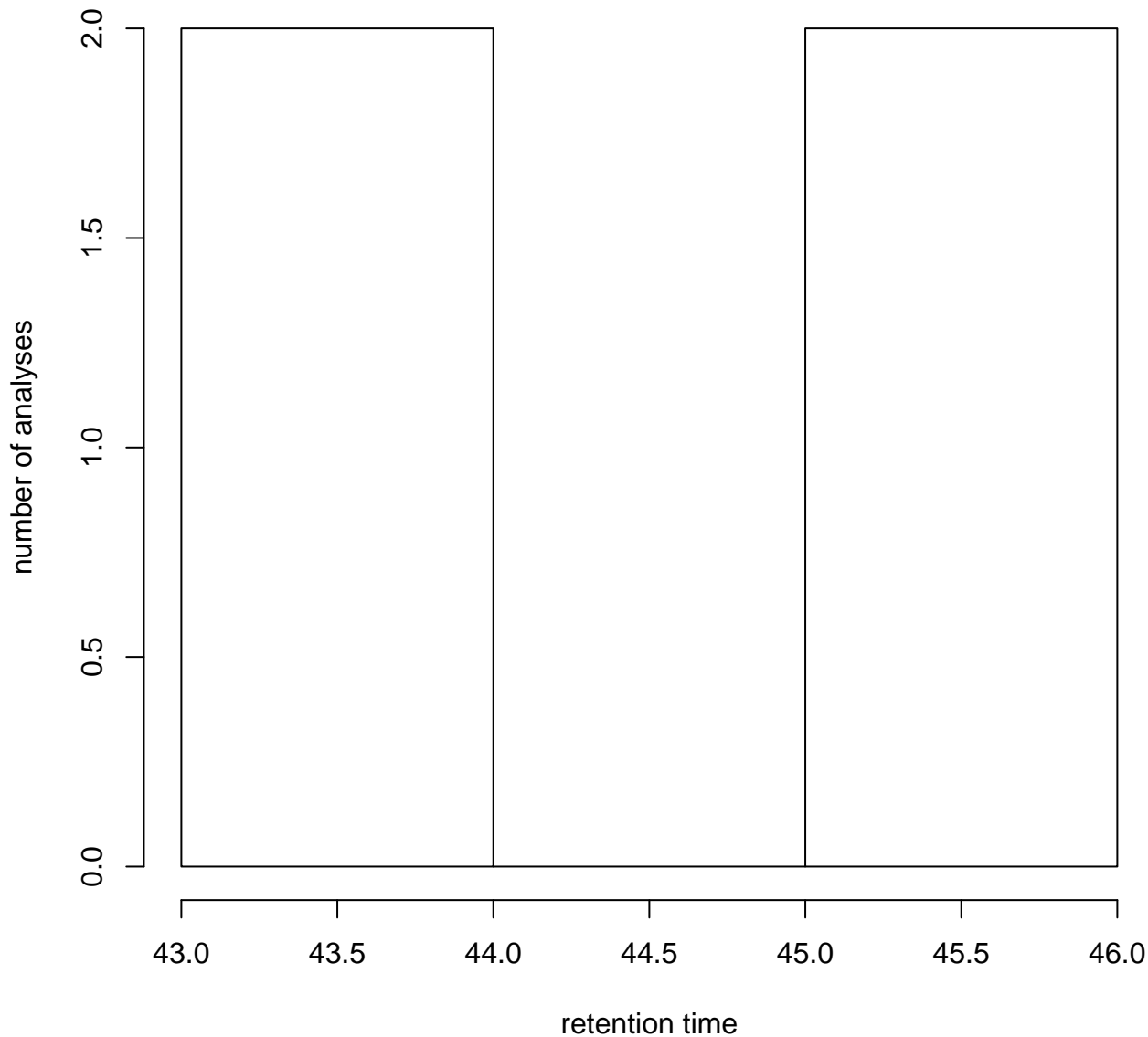
Distribution of retention time for the cluster 125

mean retention time = 47.039 ; range of retention times = 9.977



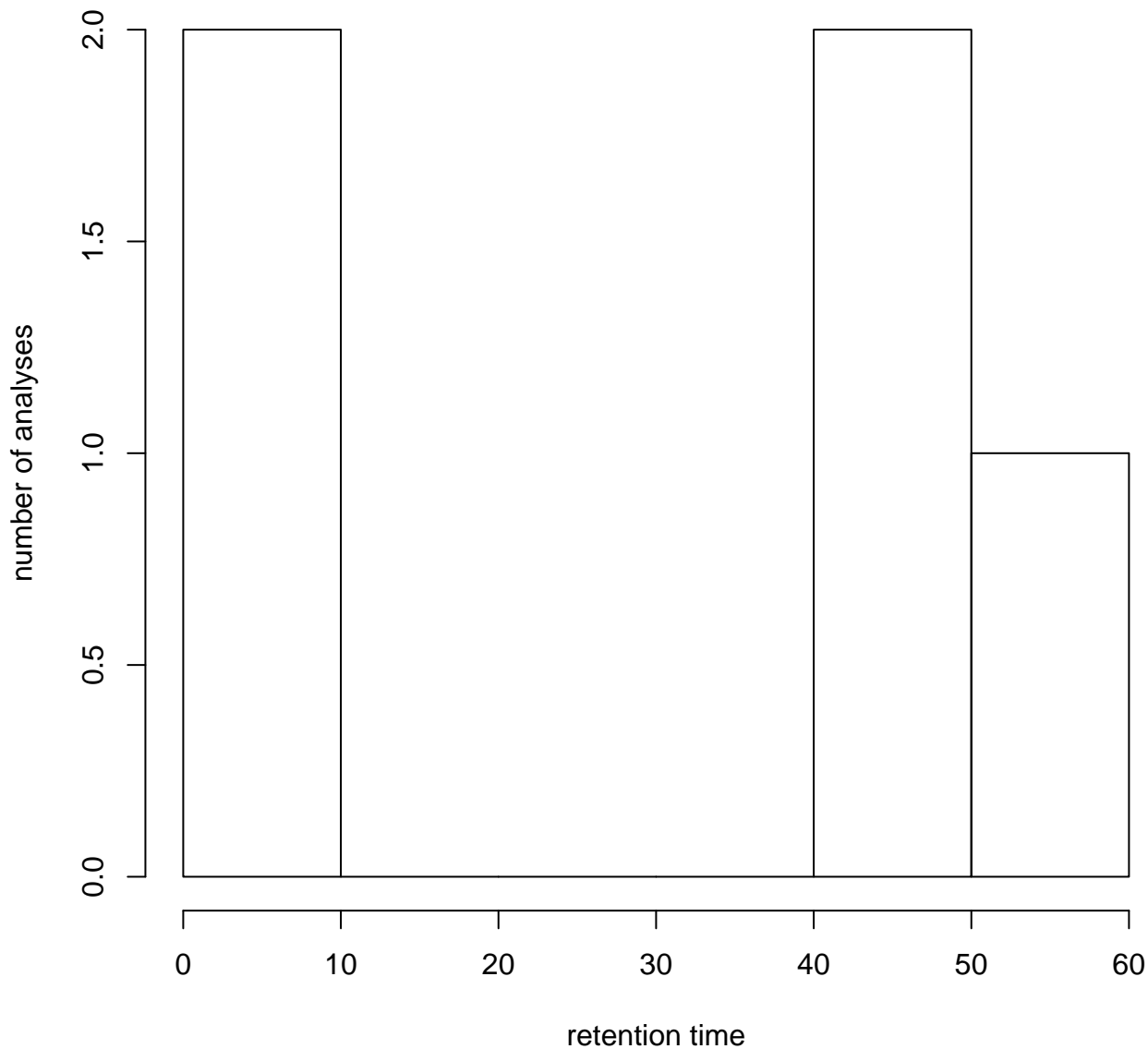
Distribution of retention time for the cluster 126

mean retention time = 44.595 ; range of retention times = 2.675



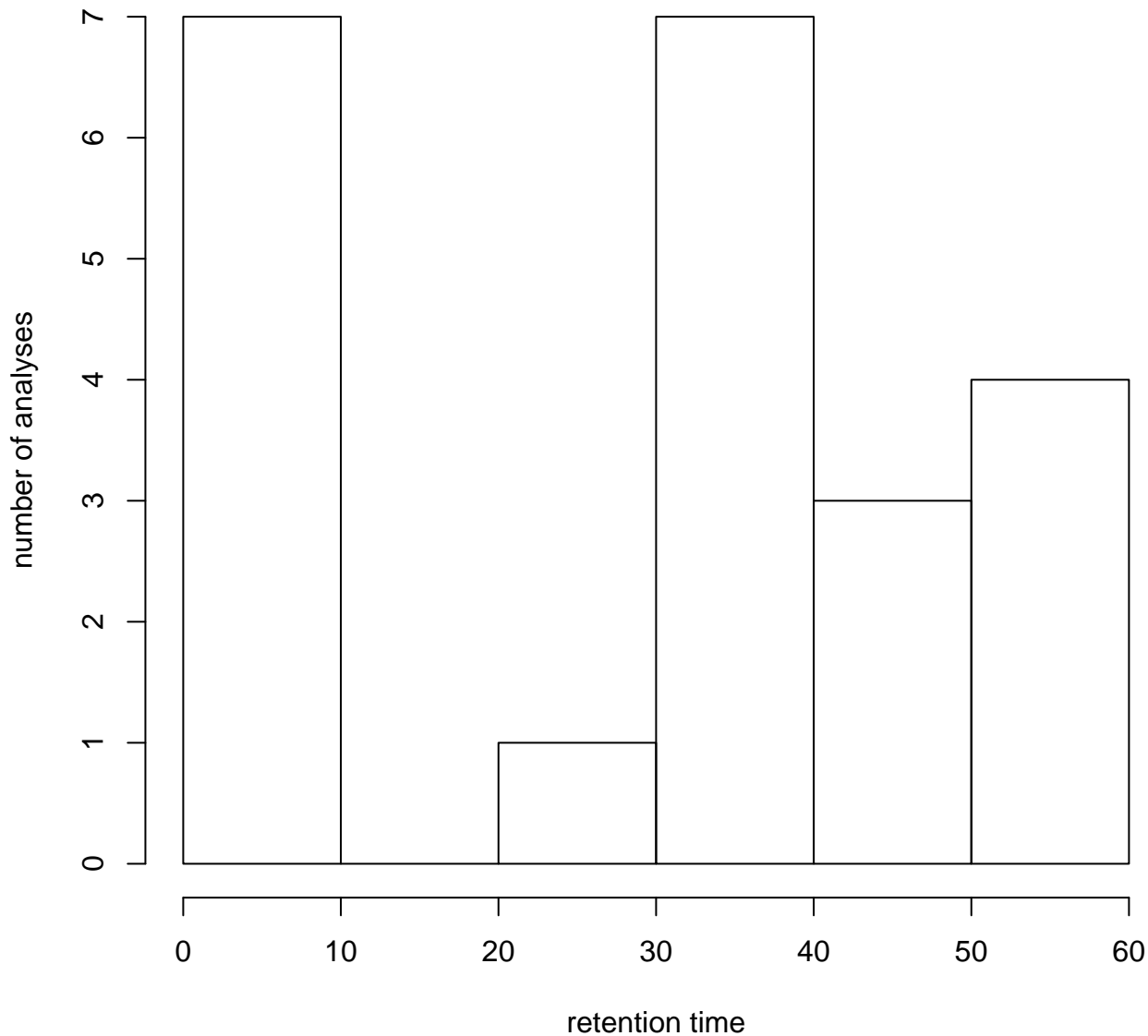
Distribution of retention time for the cluster 127

mean retention time = 32.526 ; range of retention times = 45.311



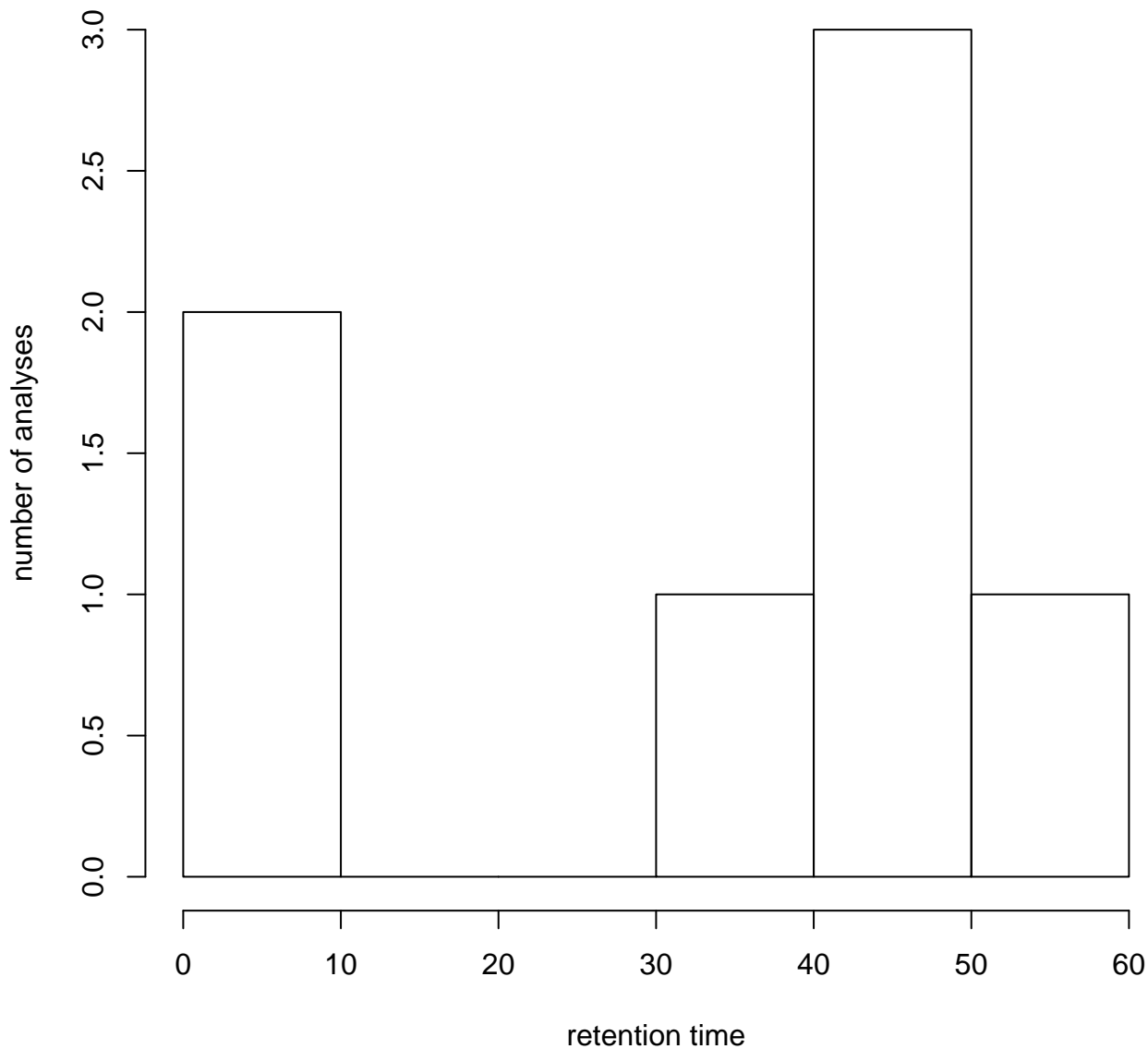
Distribution of retention time for the cluster 128

mean retention time = 29.633 ; range of retention times = 47.052



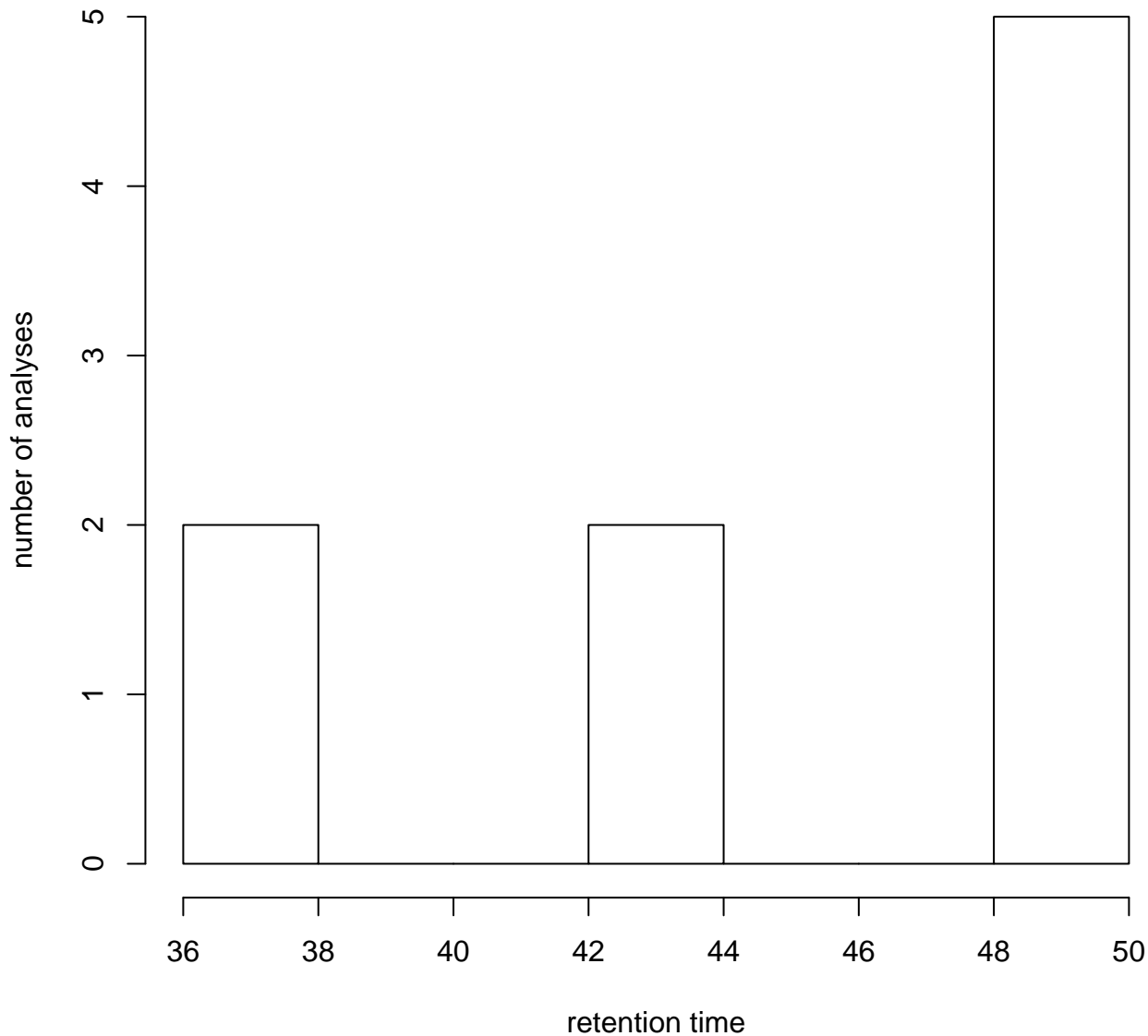
Distribution of retention time for the cluster 129

mean retention time = 33.8 ; range of retention times = 45.515



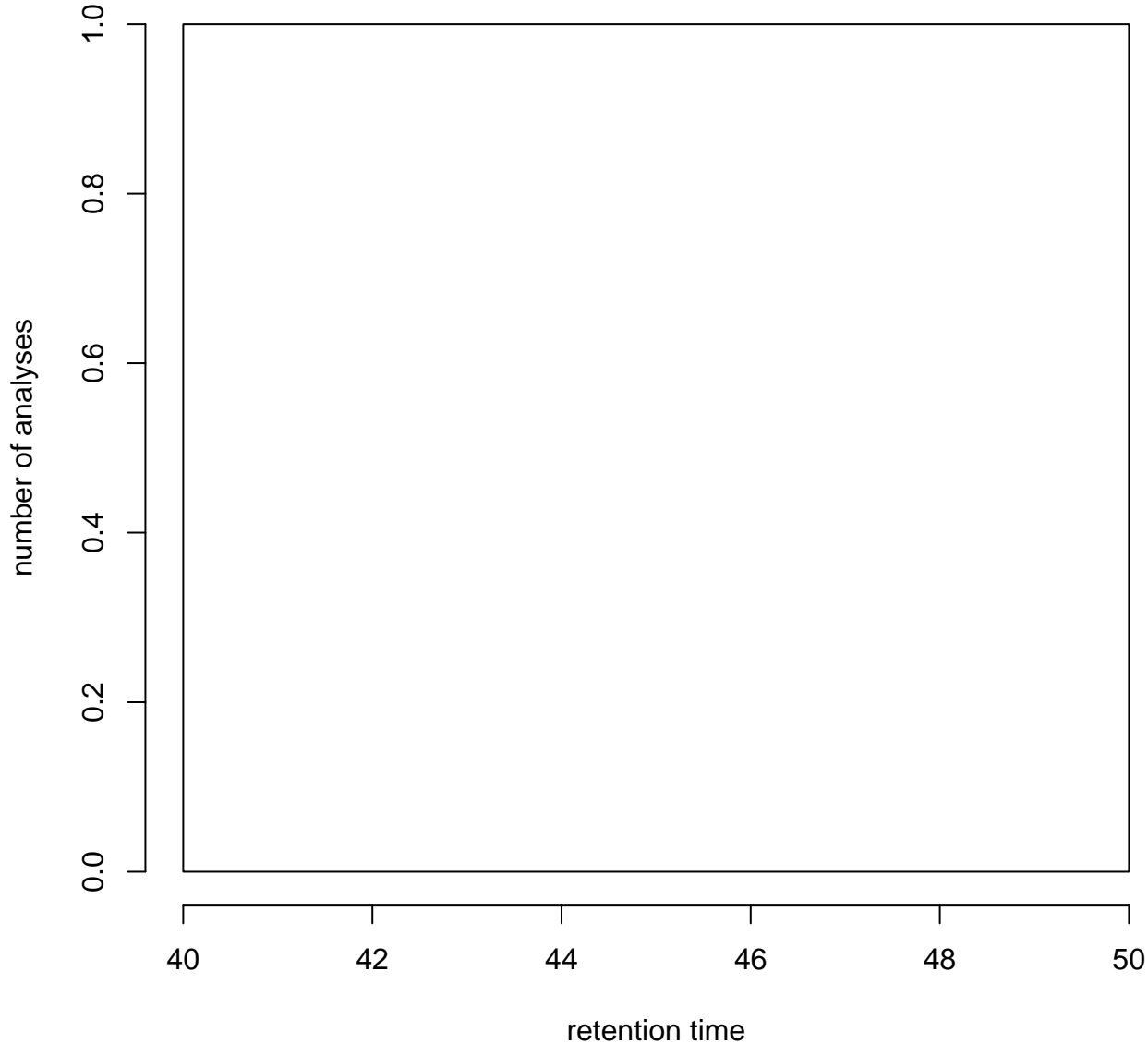
Distribution of retention time for the cluster 130

mean retention time = 44.764 ; range of retention times = 12.923



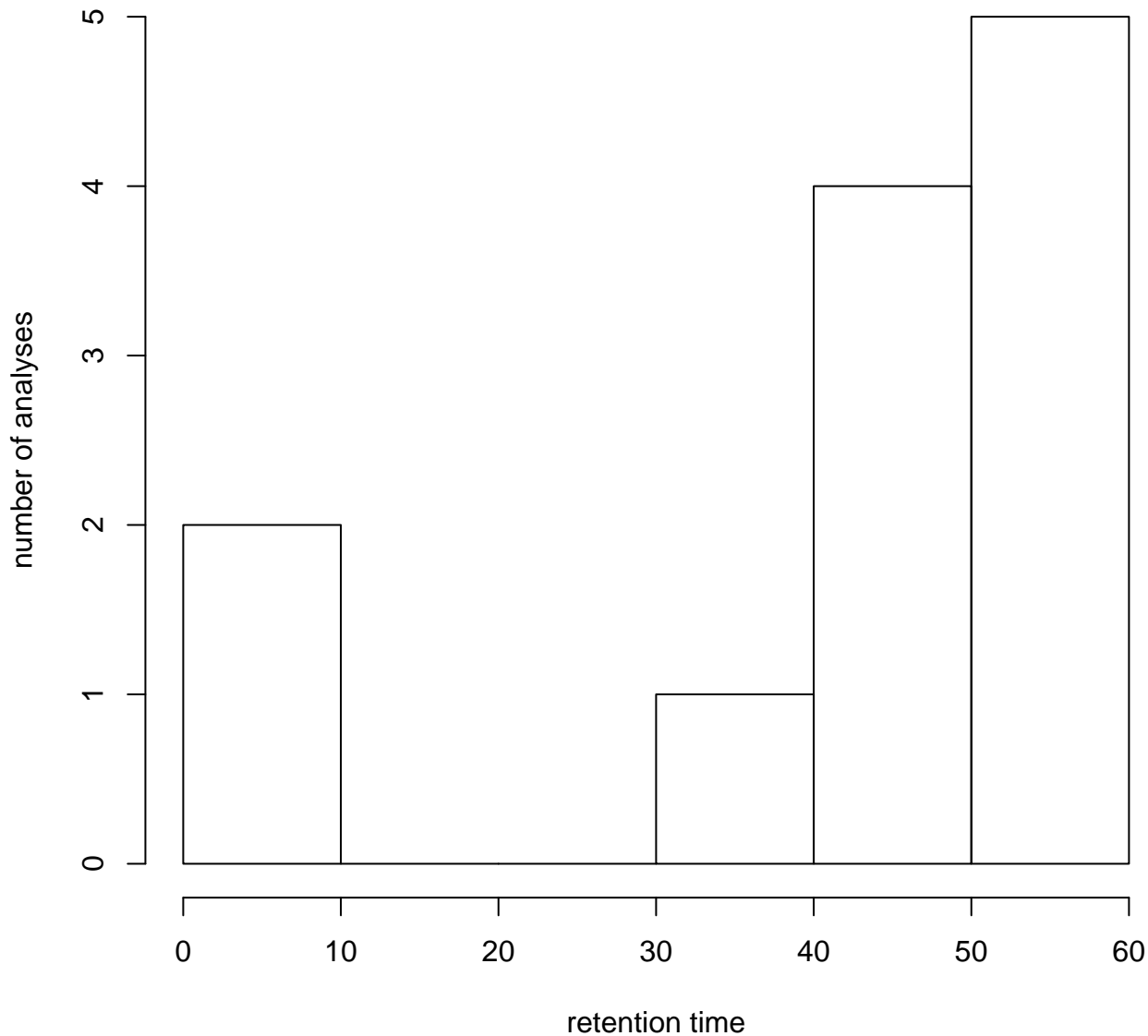
Distribution of retention time for the cluster 131

mean retention time = 49.204 ; range of retention times = 0



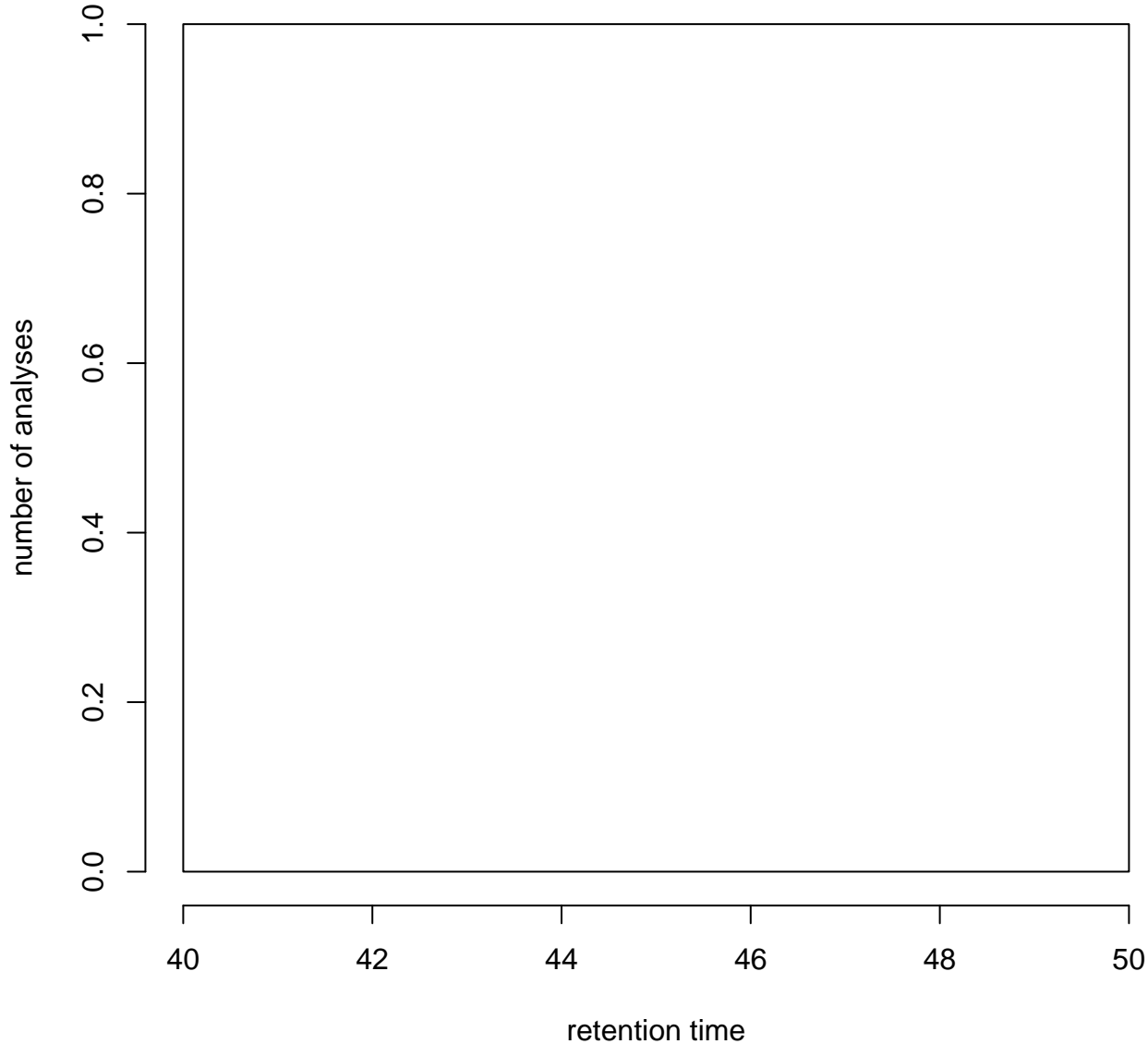
Distribution of retention time for the cluster 132

mean retention time = 39.909 ; range of retention times = 45.194



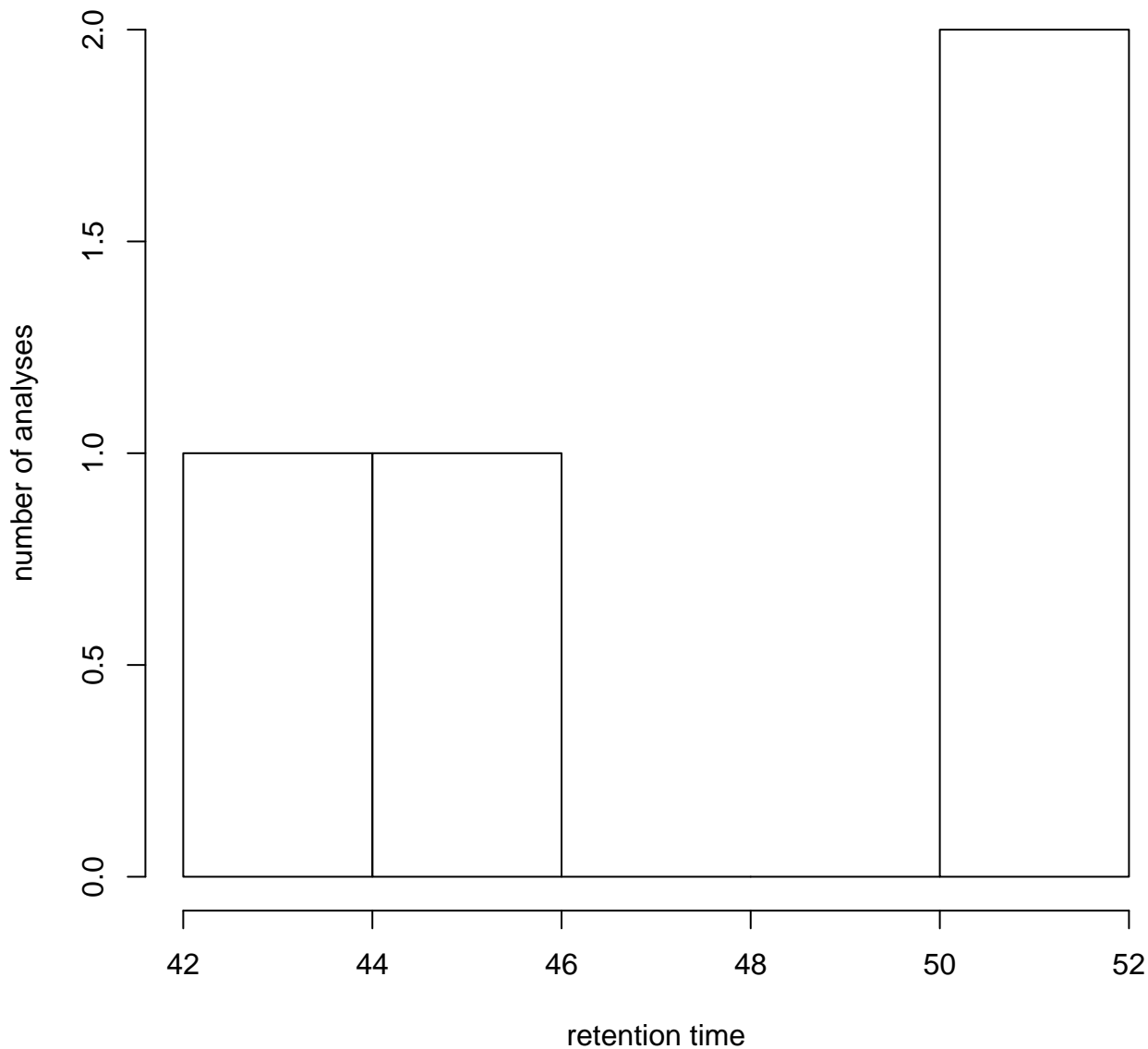
Distribution of retention time for the cluster 133

mean retention time = 43.539 ; range of retention times = 0



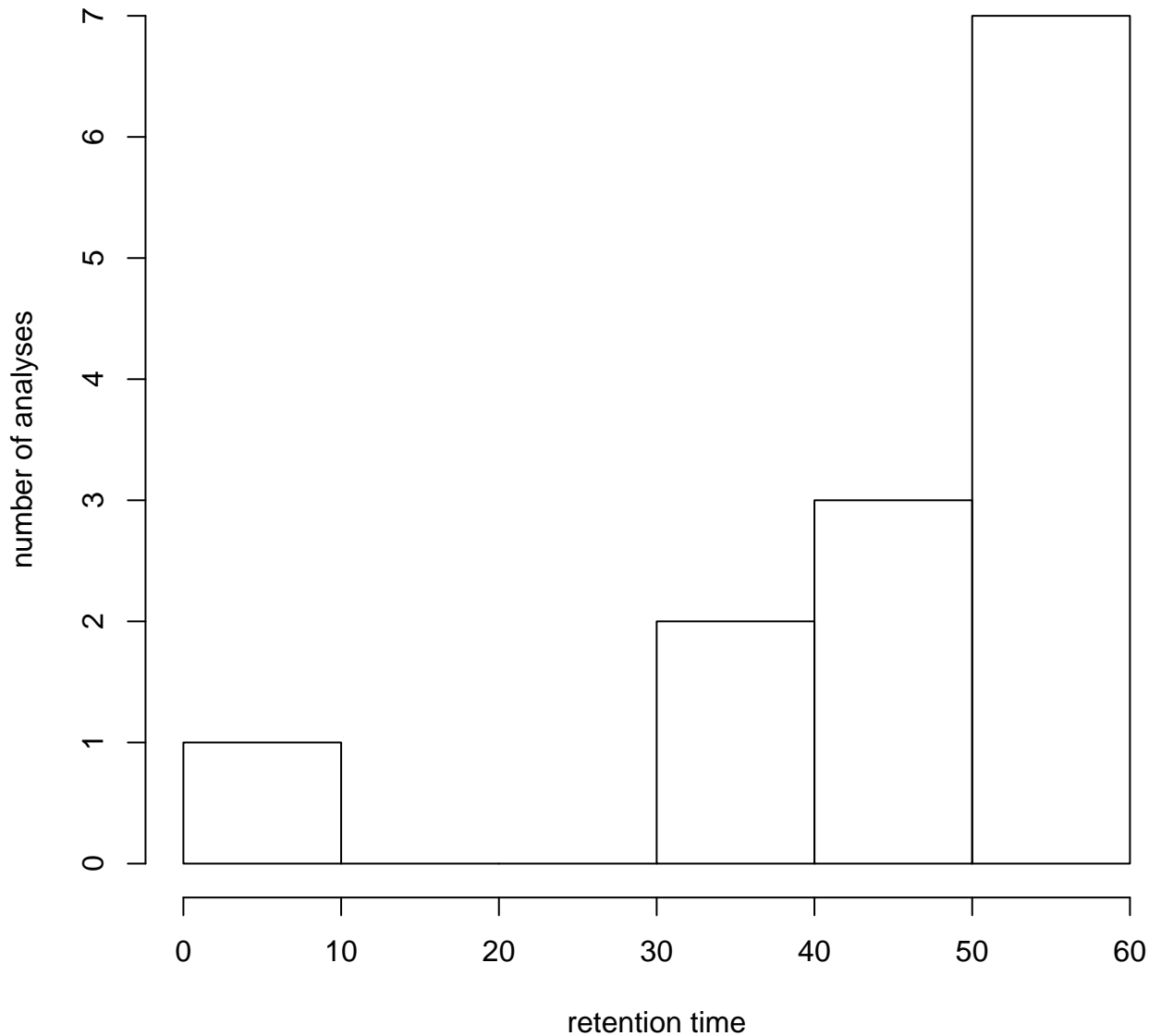
Distribution of retention time for the cluster 134

mean retention time = 47.655 ; range of retention times = 8.341



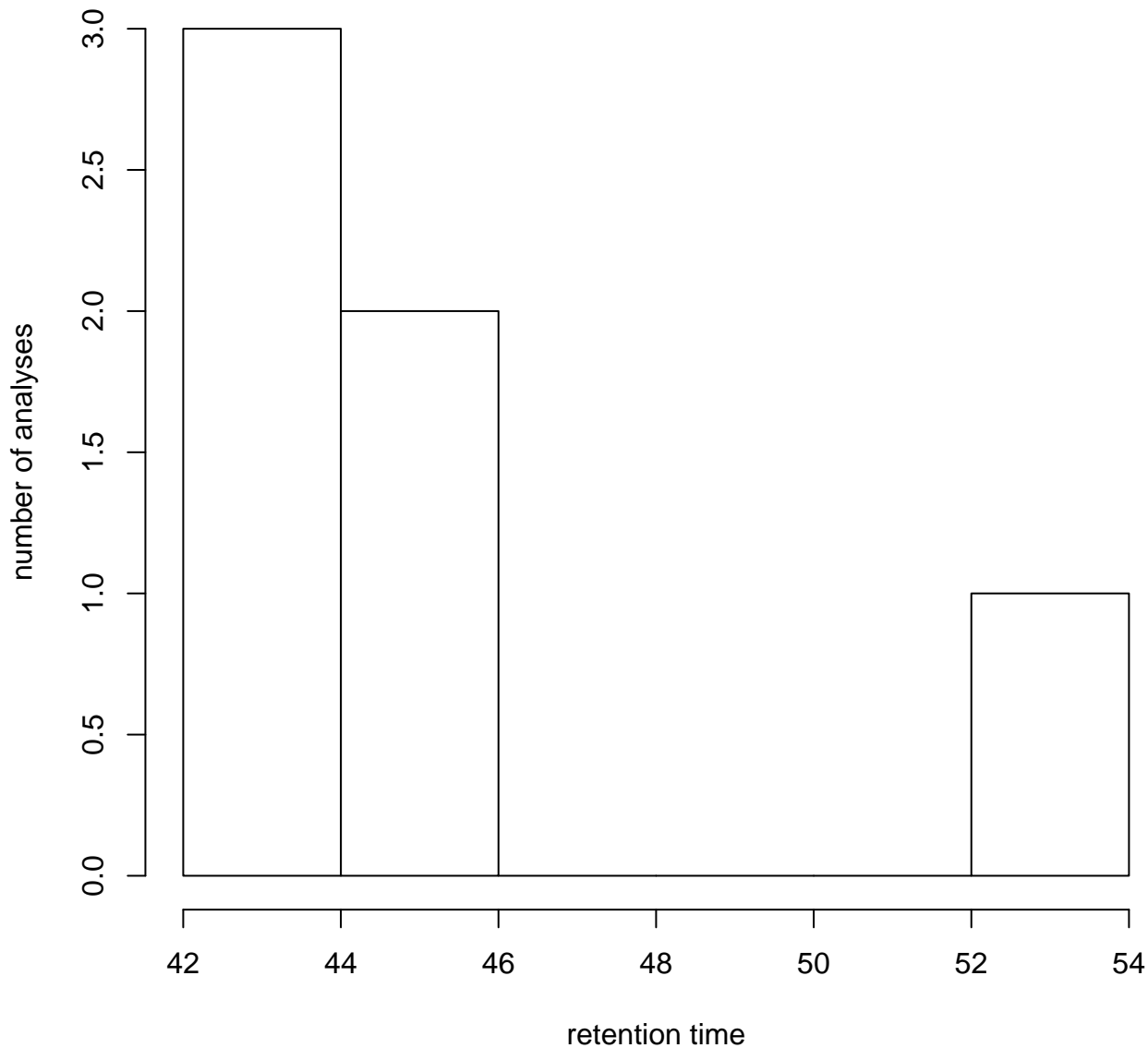
Distribution of retention time for the cluster 135

mean retention time = 43.59 ; range of retention times = 46.608



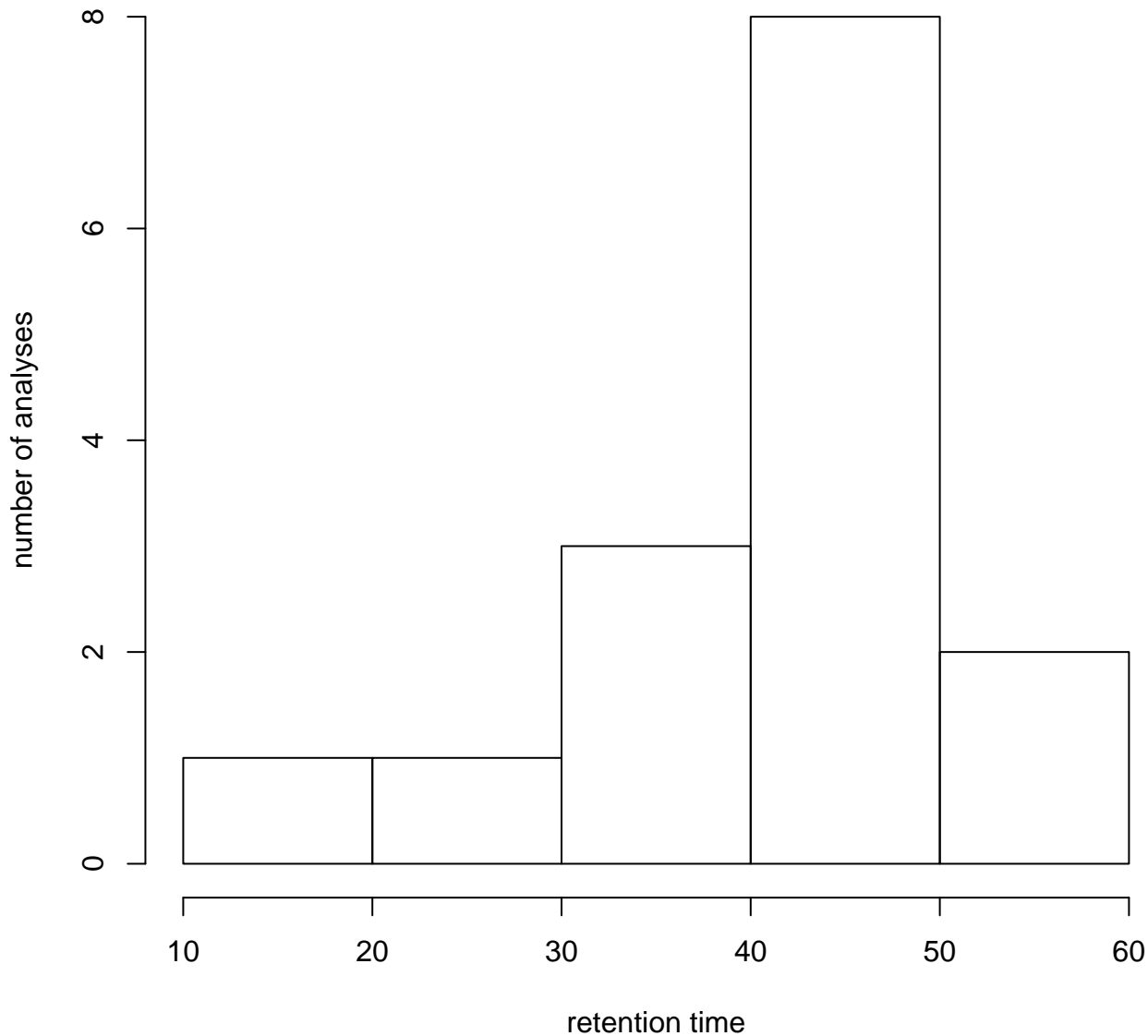
Distribution of retention time for the cluster 136

mean retention time = 45.685 ; range of retention times = 9.677



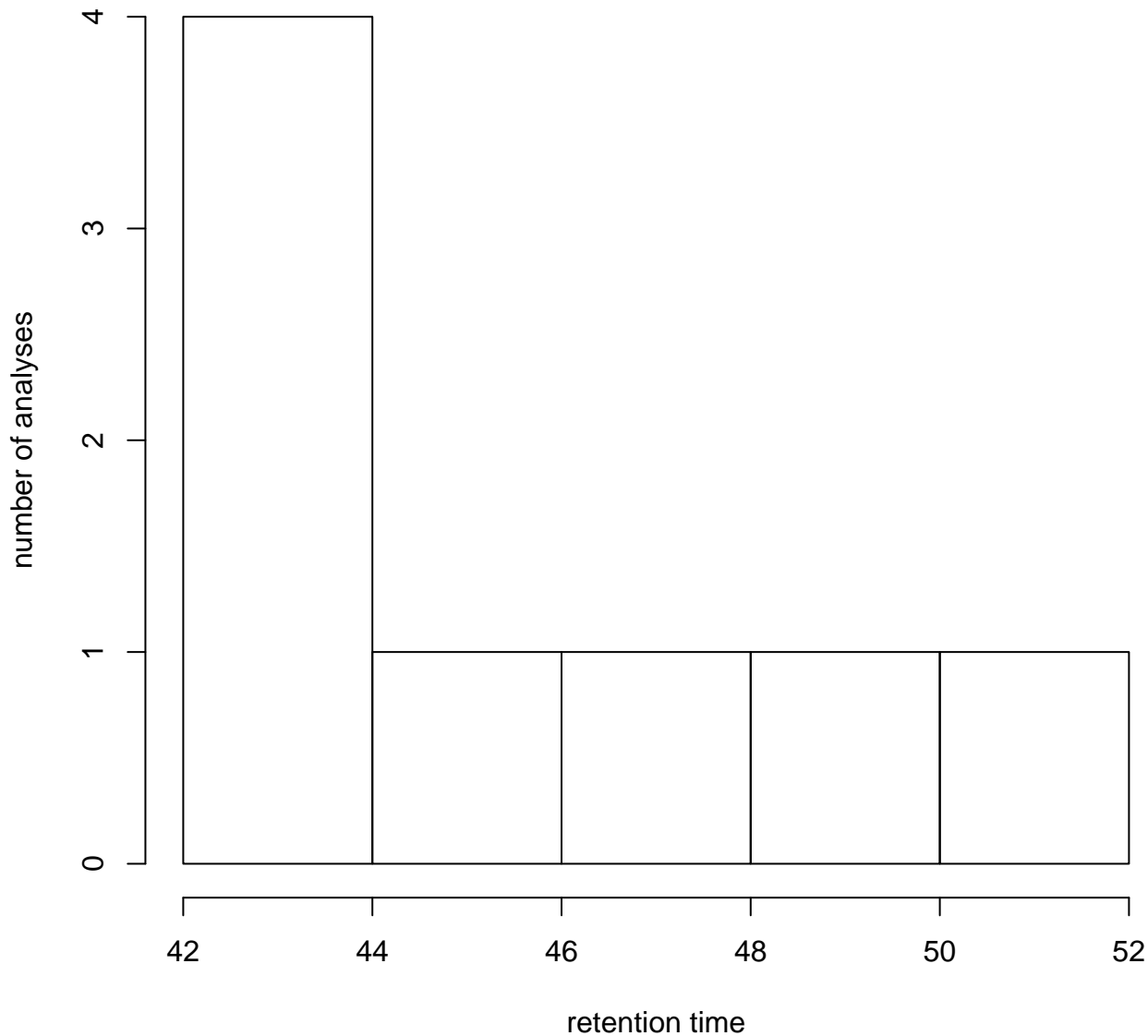
Distribution of retention time for the cluster 137

mean retention time = 41.572 ; range of retention times = 40.279



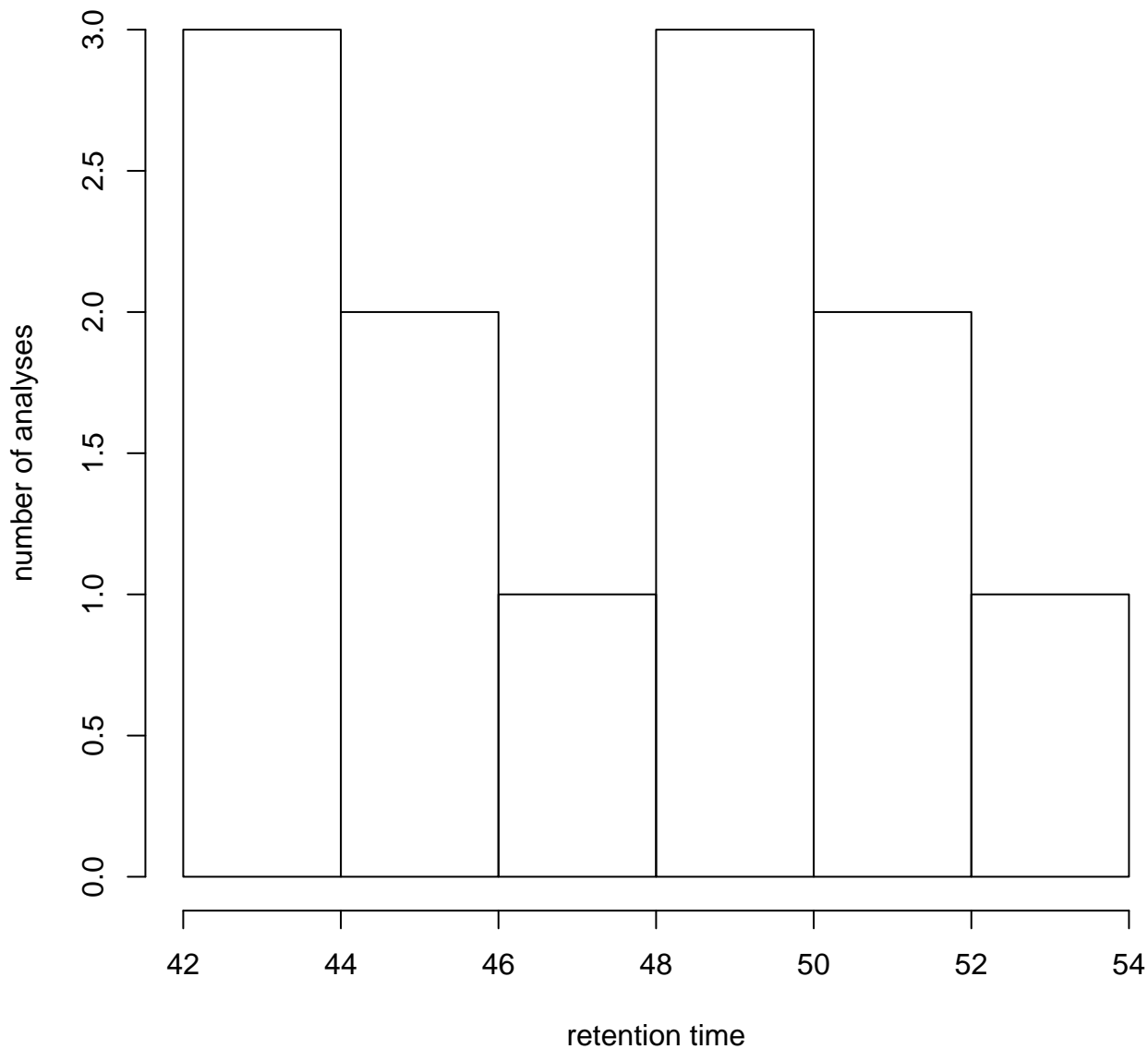
Distribution of retention time for the cluster 138

mean retention time = 45.575 ; range of retention times = 6.833



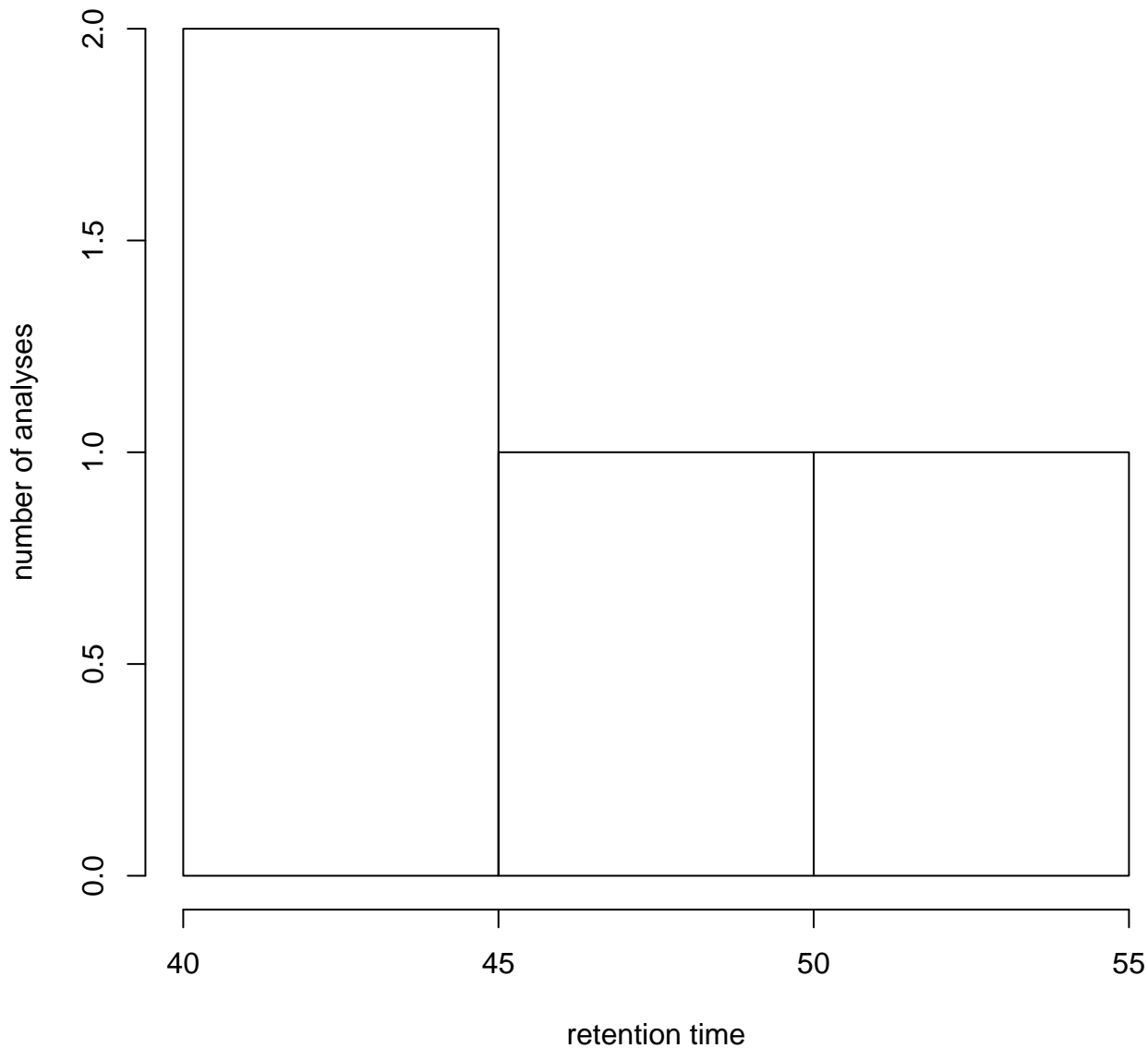
Distribution of retention time for the cluster 139

mean retention time = 47.533 ; range of retention times = 9.628



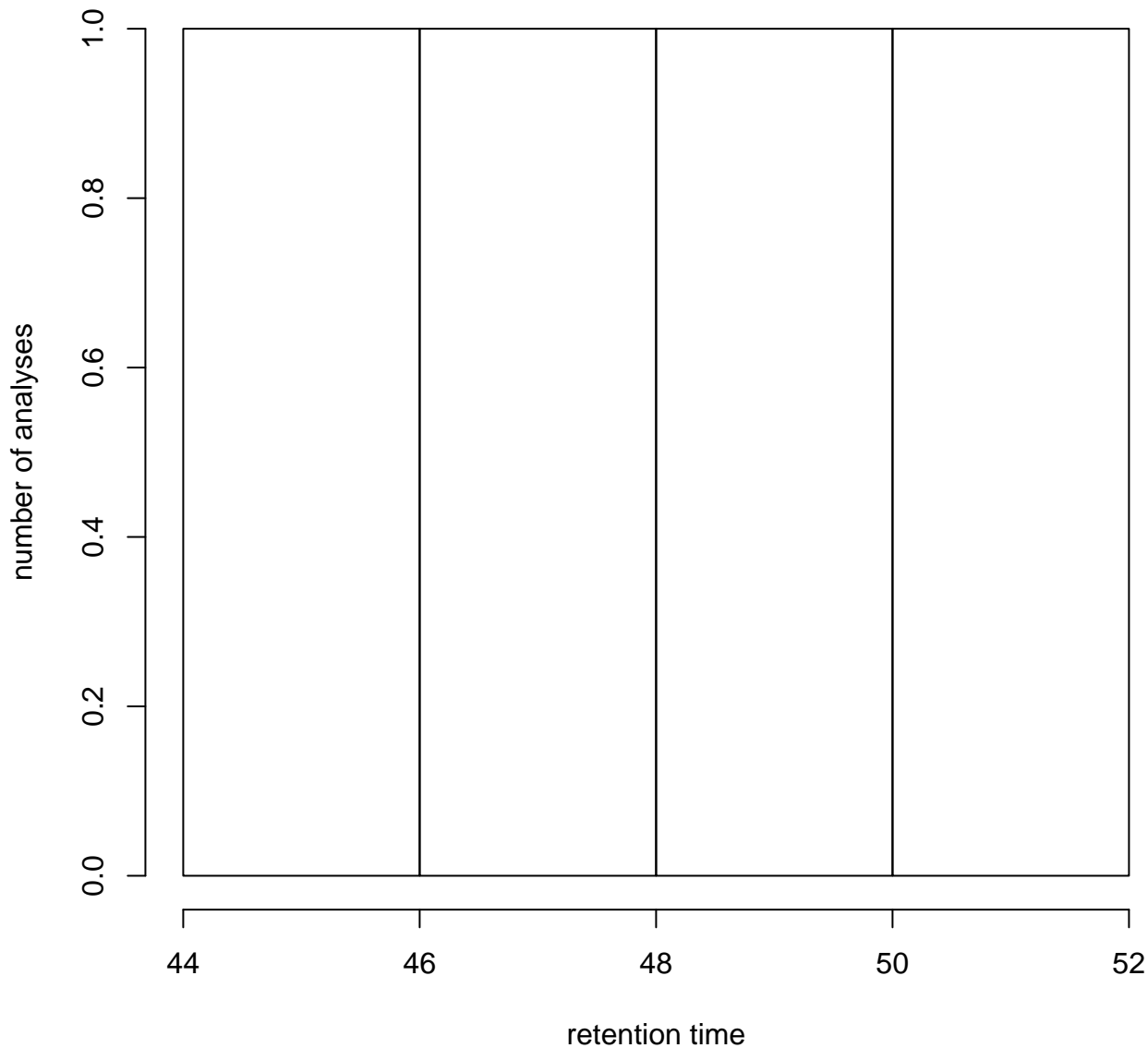
Distribution of retention time for the cluster 140

mean retention time = 46.823 ; range of retention times = 9.693



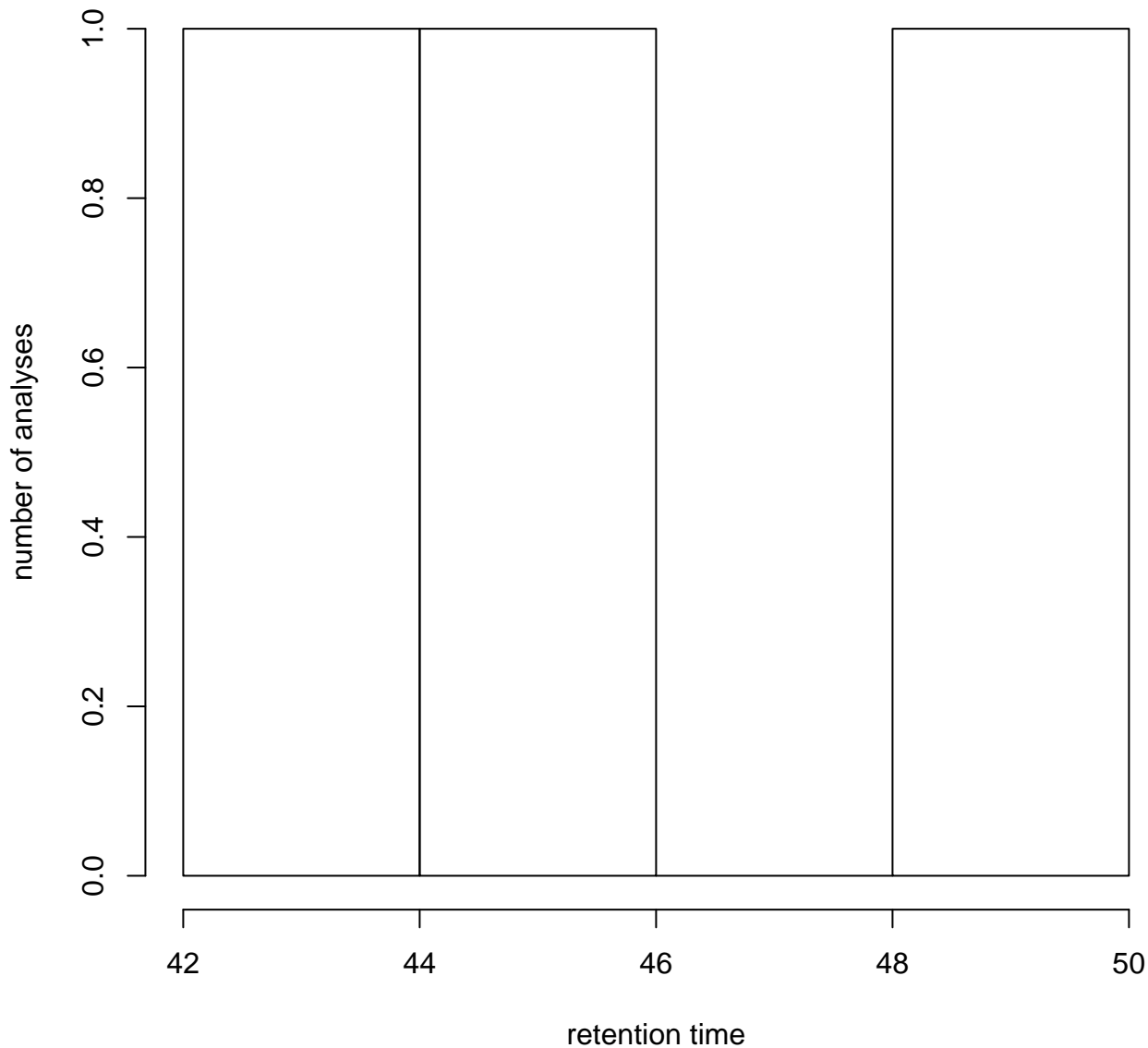
Distribution of retention time for the cluster 141

mean retention time = 48.241 ; range of retention times = 6.771



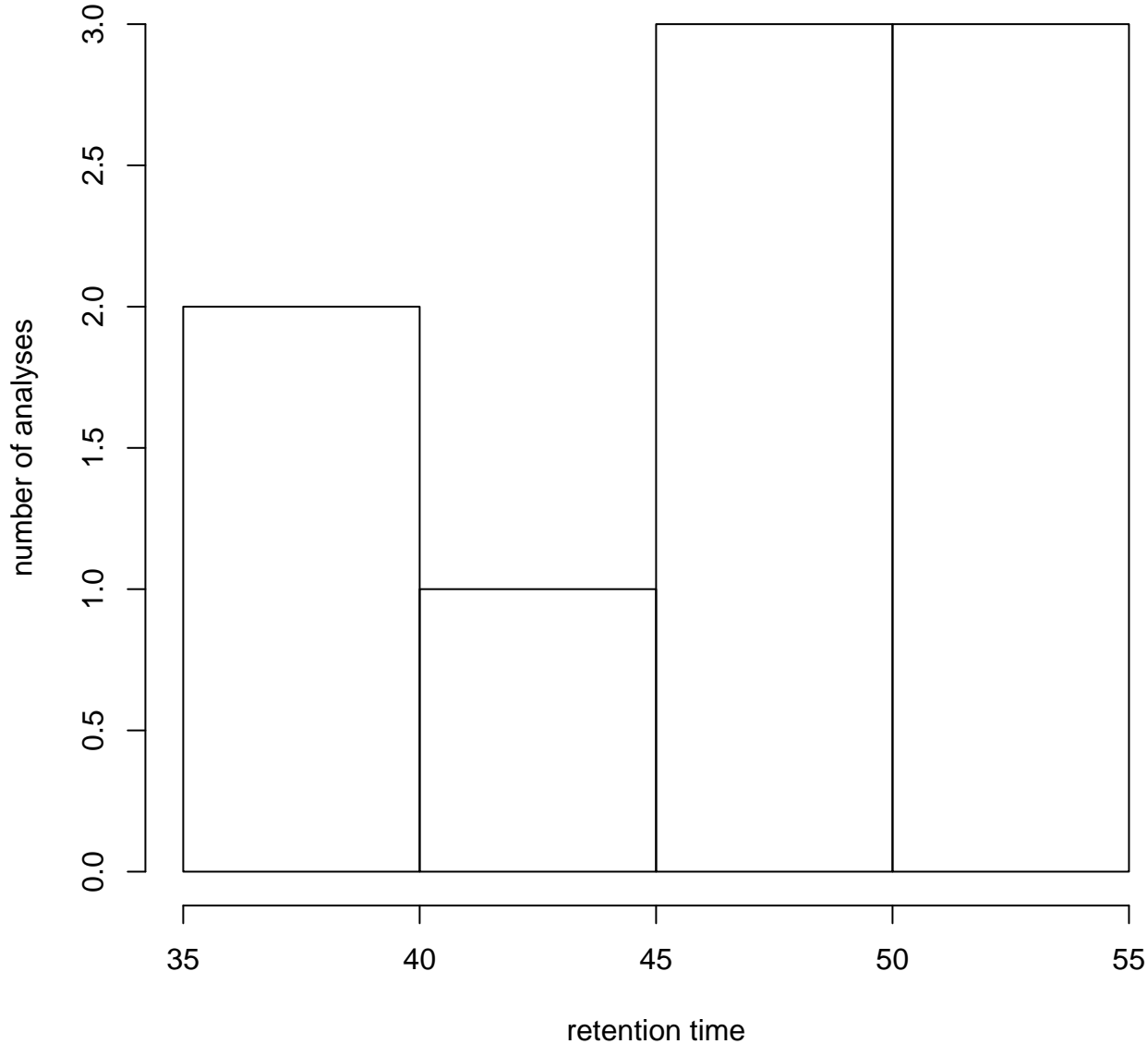
Distribution of retention time for the cluster 142

mean retention time = 45.739 ; range of retention times = 5.676



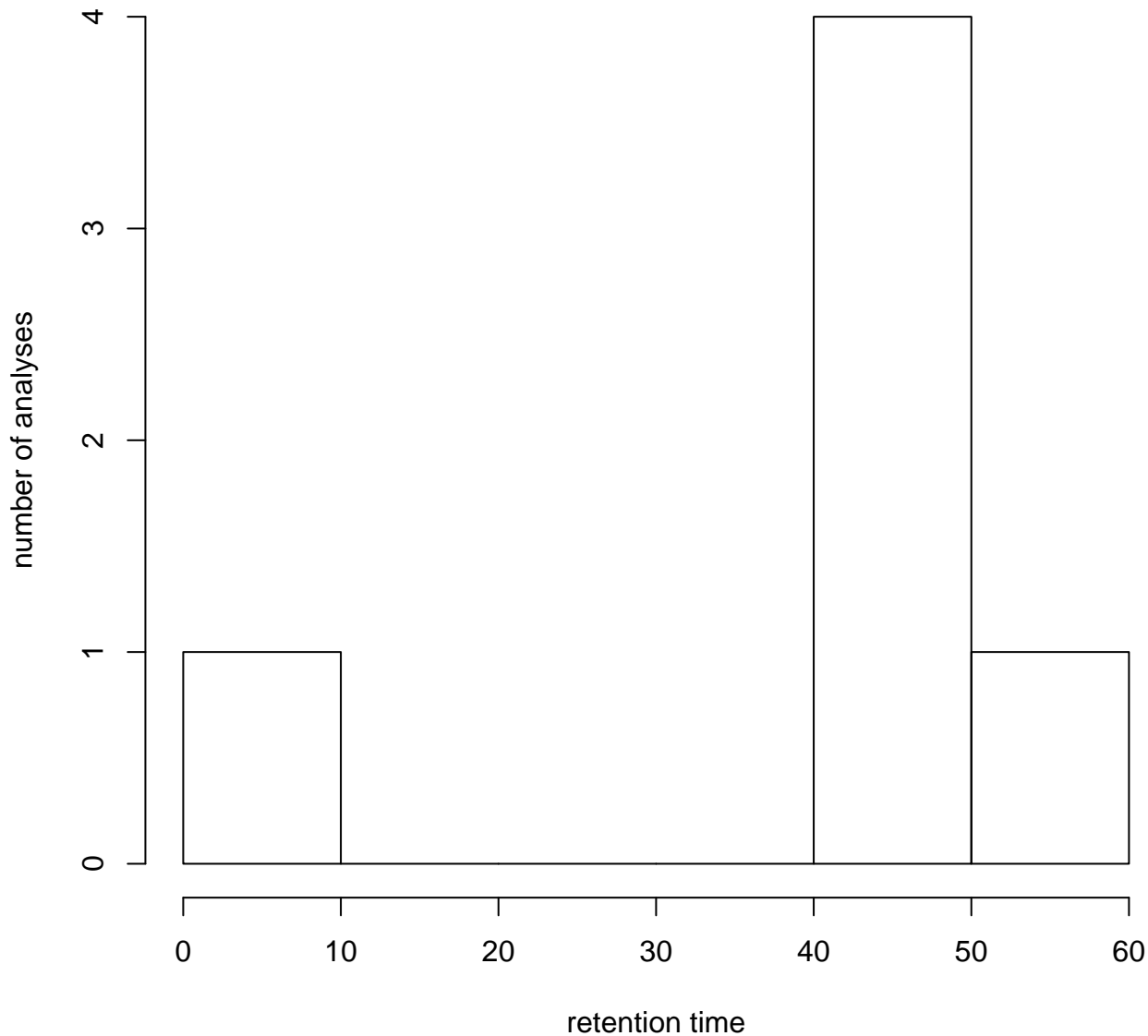
Distribution of retention time for the cluster 143

mean retention time = 46.539 ; range of retention times = 14.884



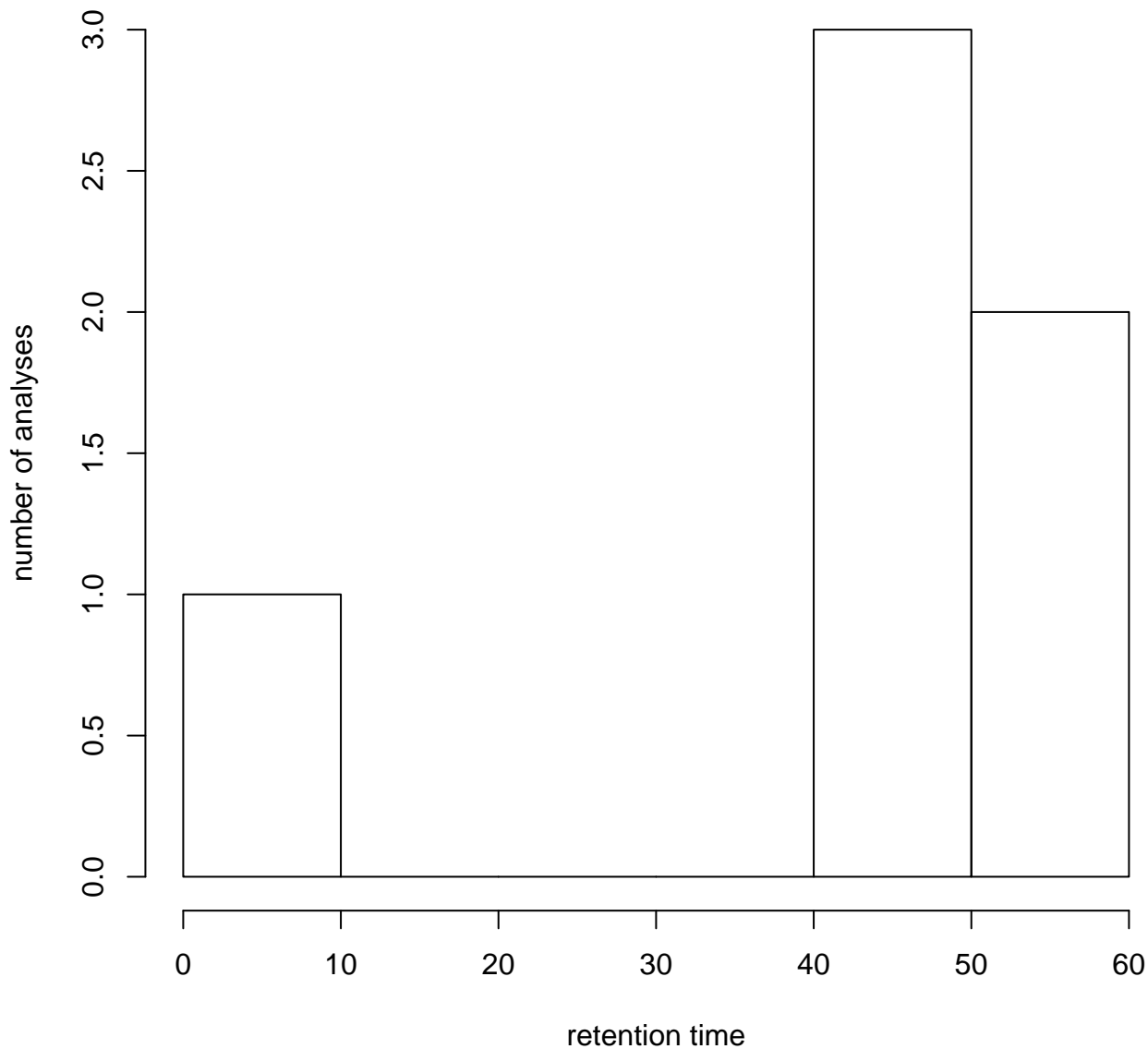
Distribution of retention time for the cluster 144

mean retention time = 41.234 ; range of retention times = 42.992



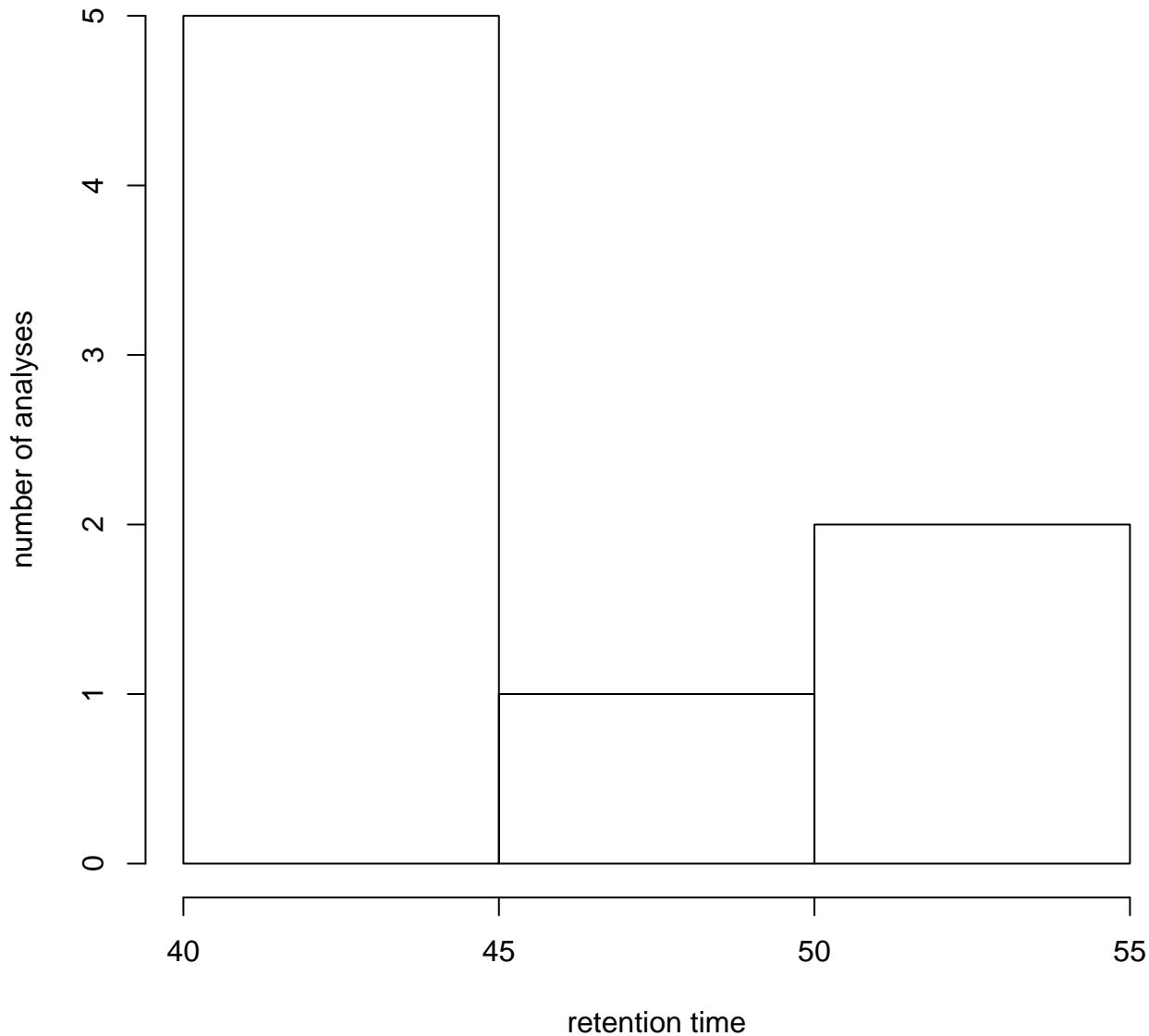
Distribution of retention time for the cluster 145

mean retention time = 42.155 ; range of retention times = 45.303



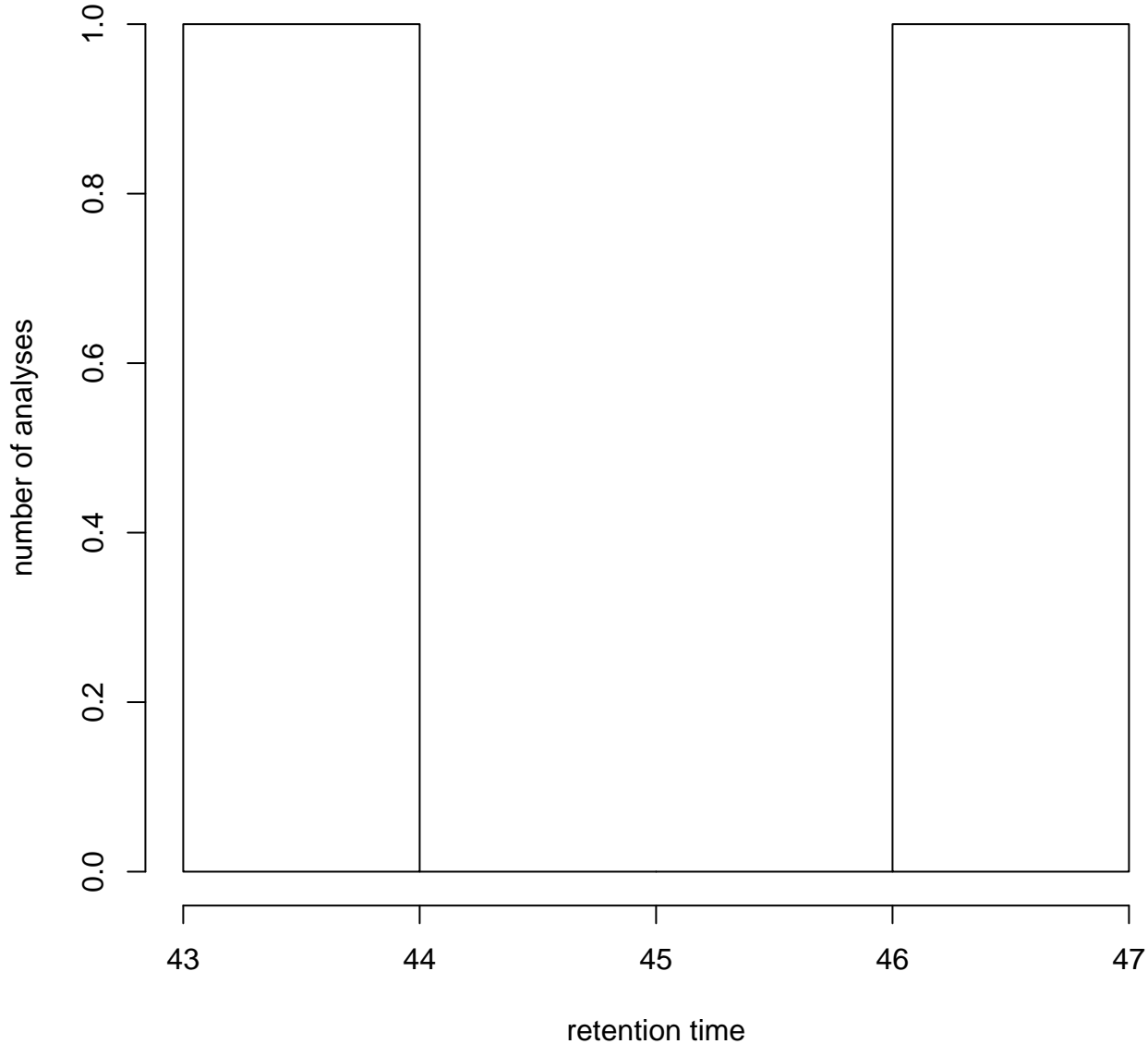
Distribution of retention time for the cluster 146

mean retention time = 45.487 ; range of retention times = 12.339



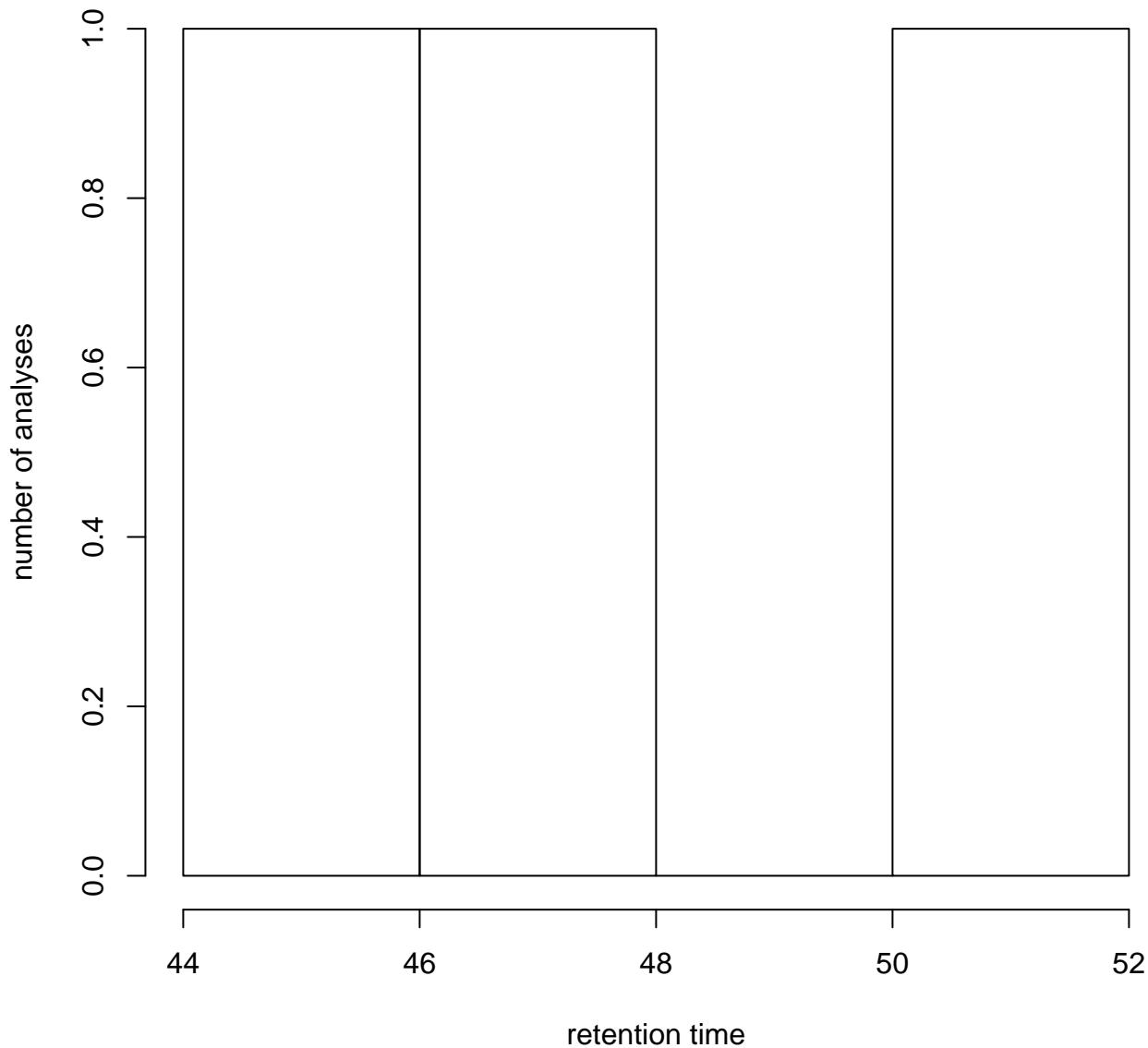
Distribution of retention time for the cluster 147

mean retention time = 44.71 ; range of retention times = 2.682



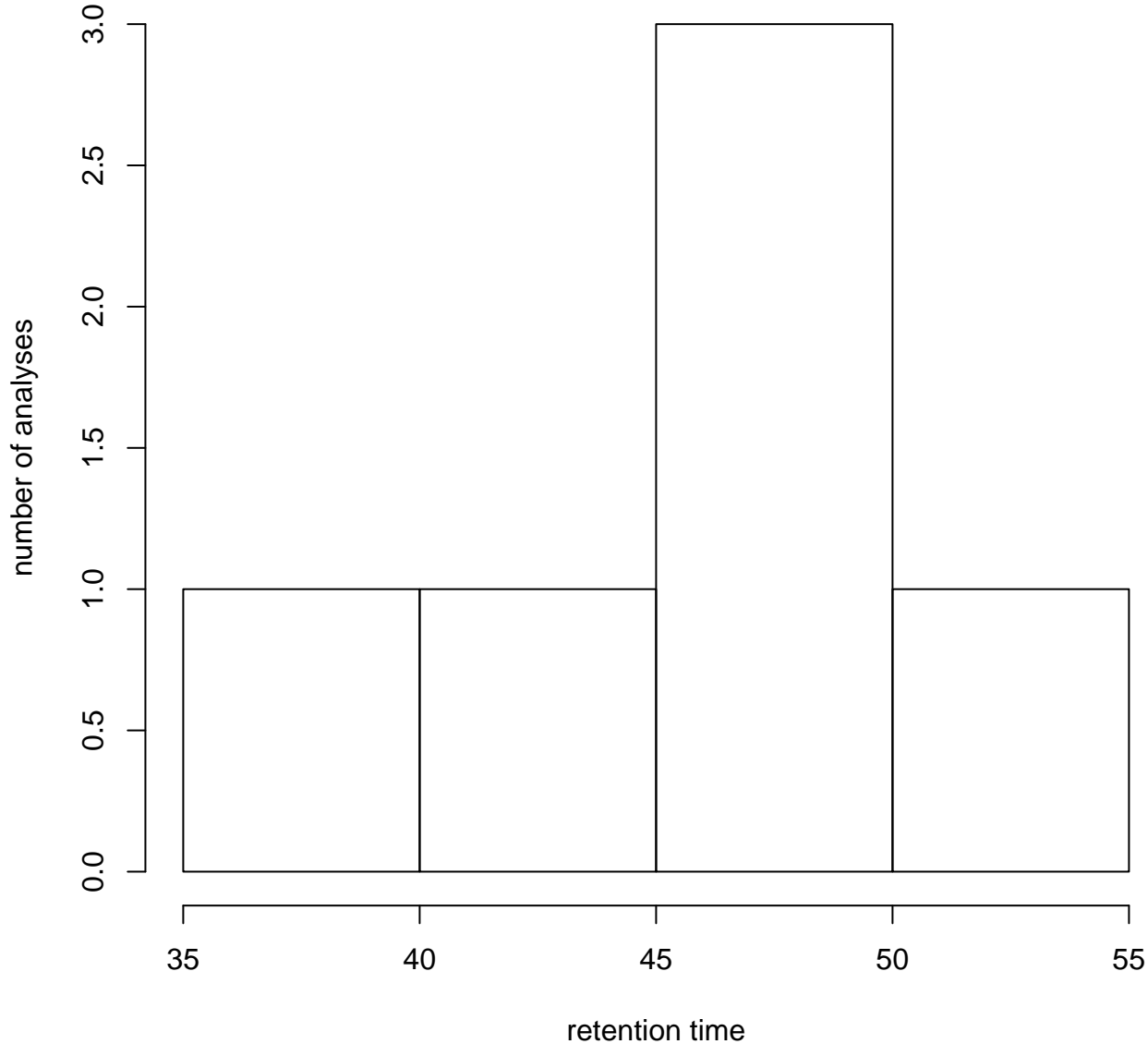
Distribution of retention time for the cluster 148

mean retention time = 47.559 ; range of retention times = 5.625



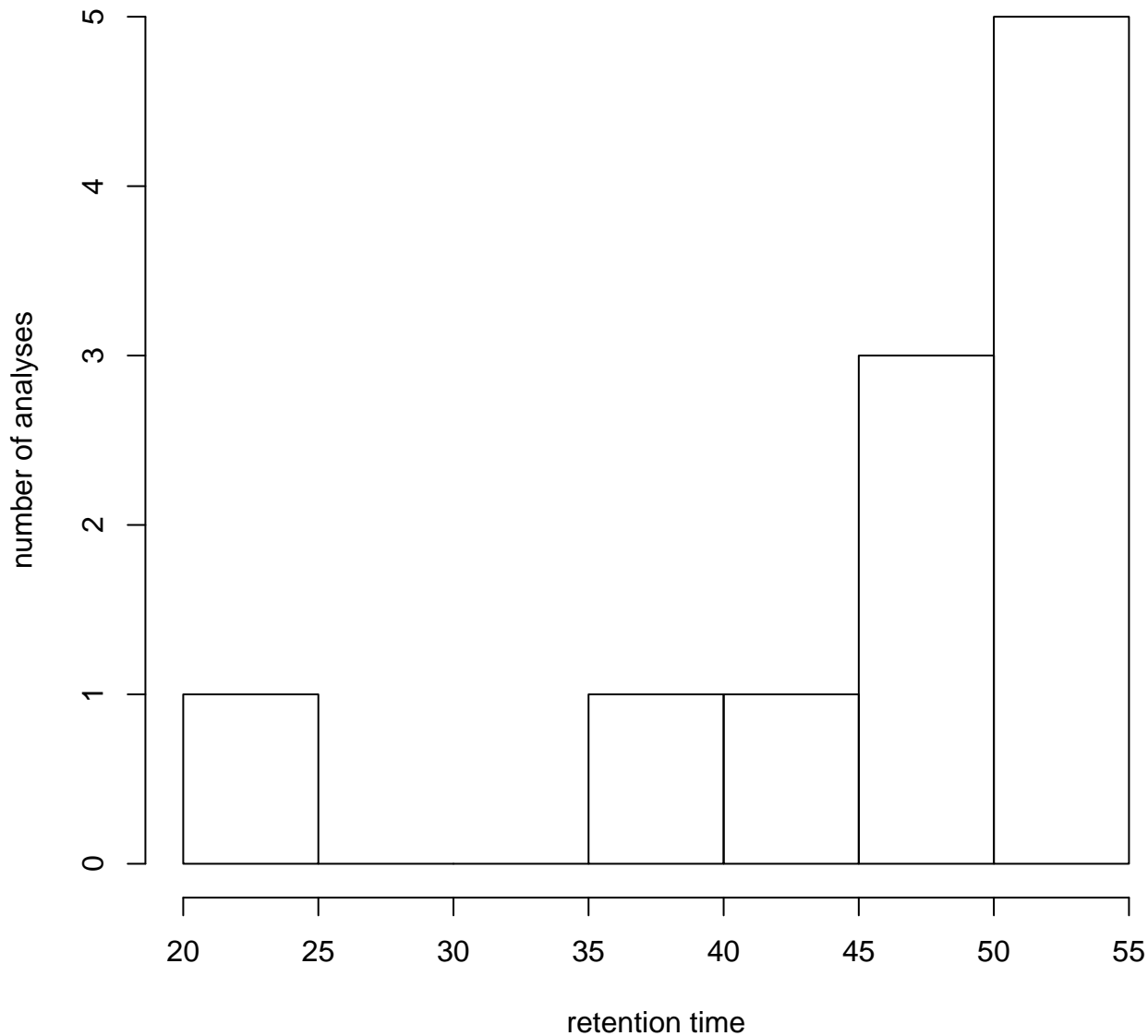
Distribution of retention time for the cluster 149

mean retention time = 45.904 ; range of retention times = 15.366



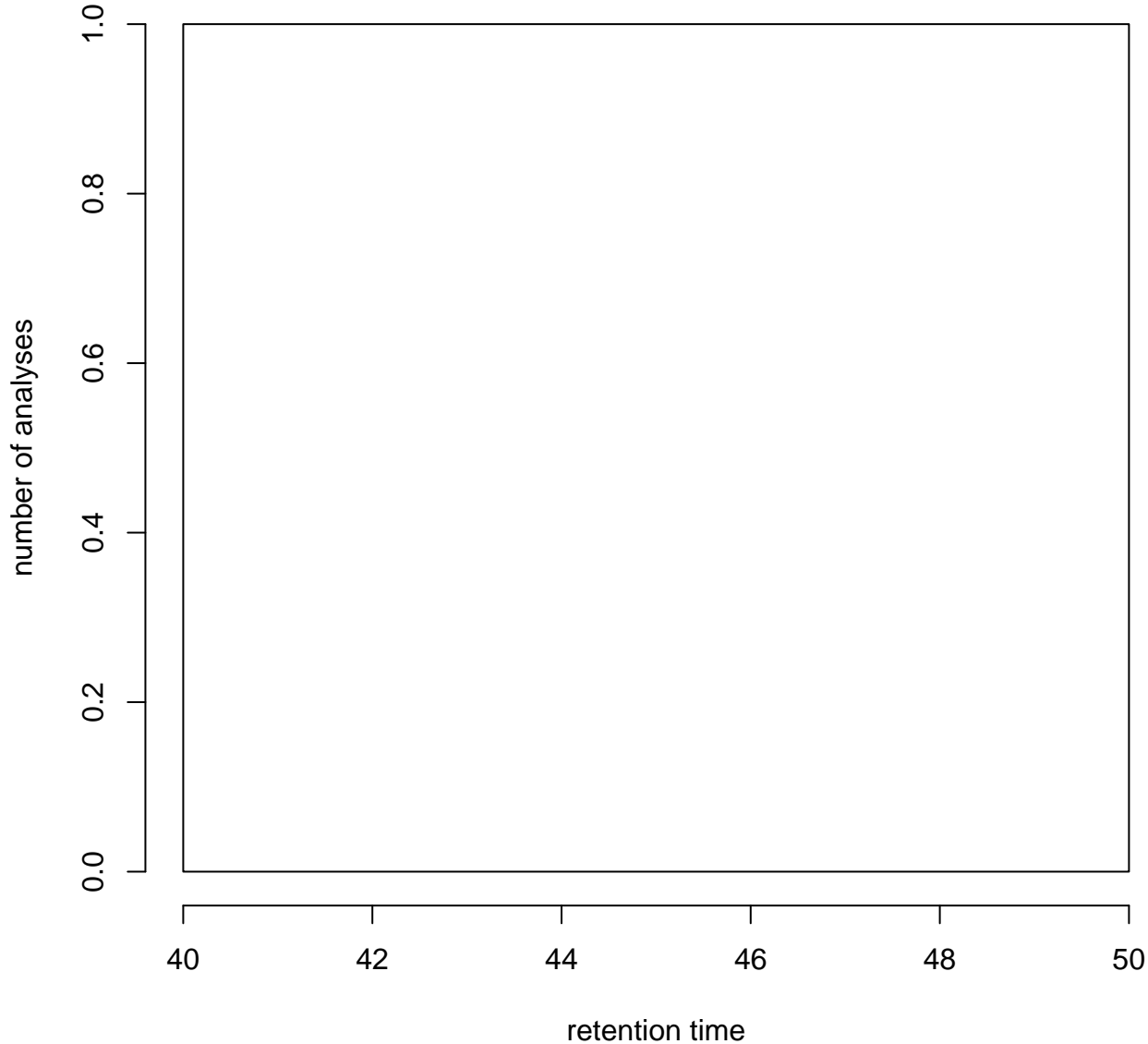
Distribution of retention time for the cluster 150

mean retention time = 45.54 ; range of retention times = 27.574



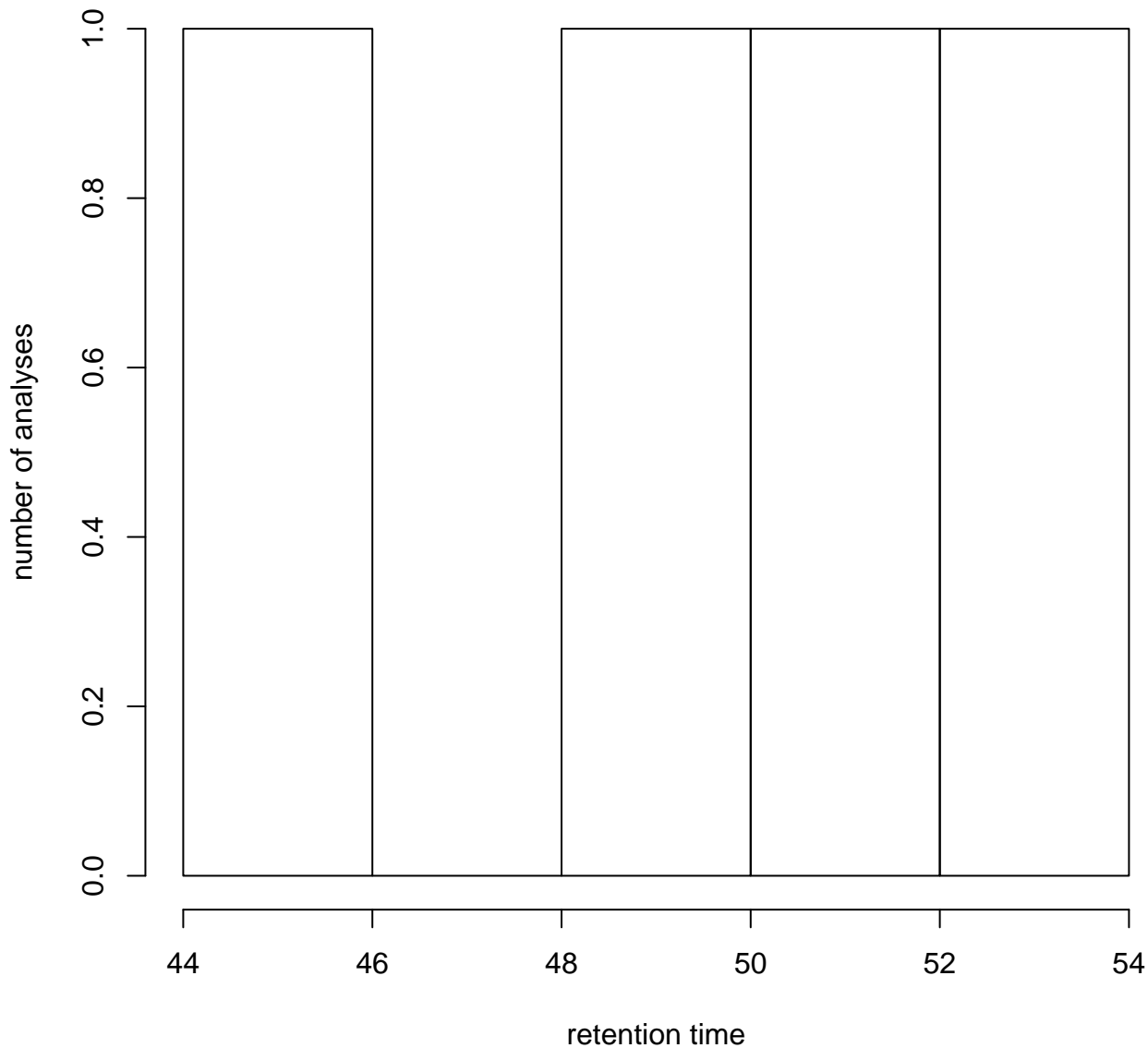
Distribution of retention time for the cluster 151

mean retention time = 44.819 ; range of retention times = 0



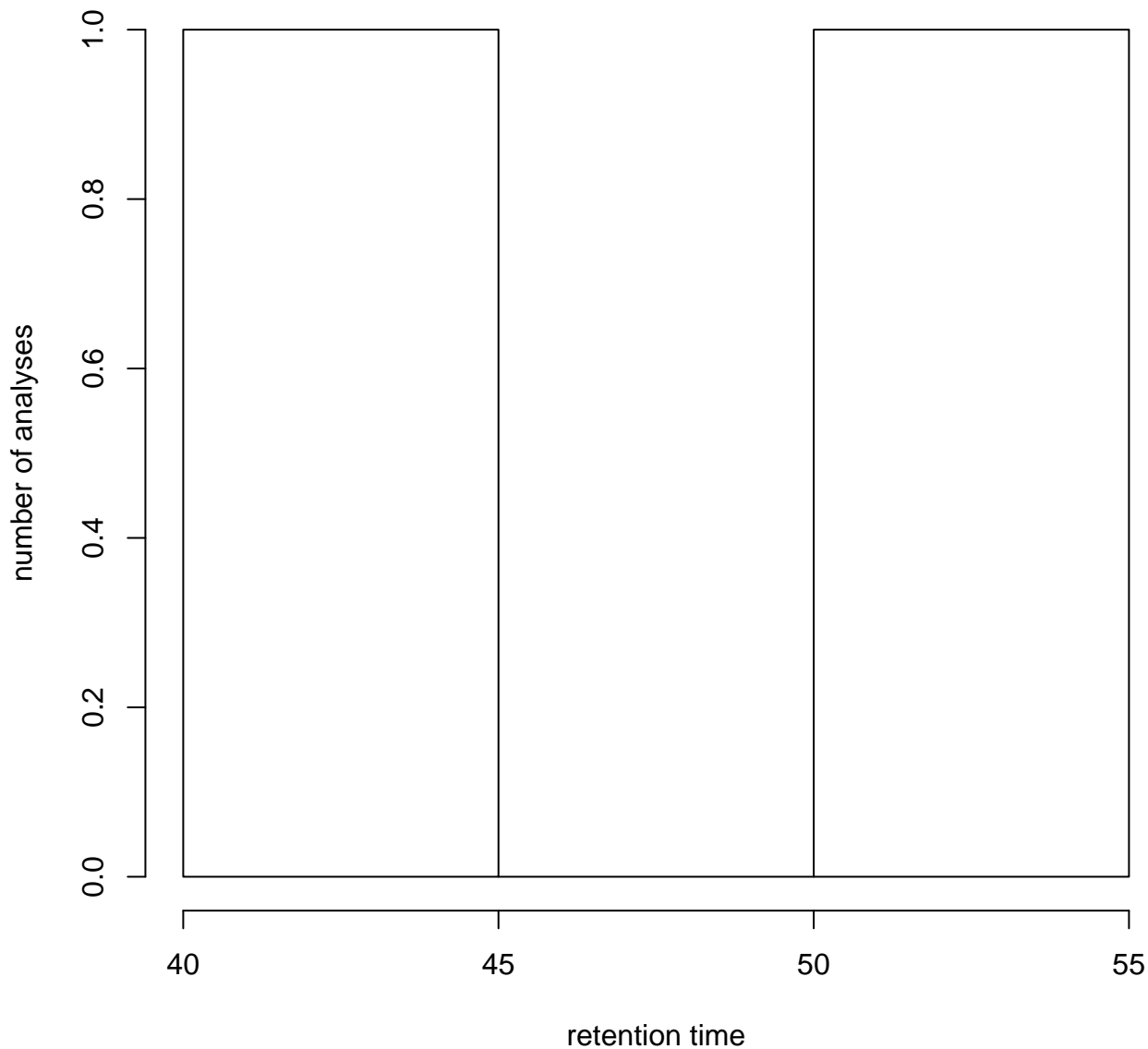
Distribution of retention time for the cluster 152

mean retention time = 49.546 ; range of retention times = 6.874



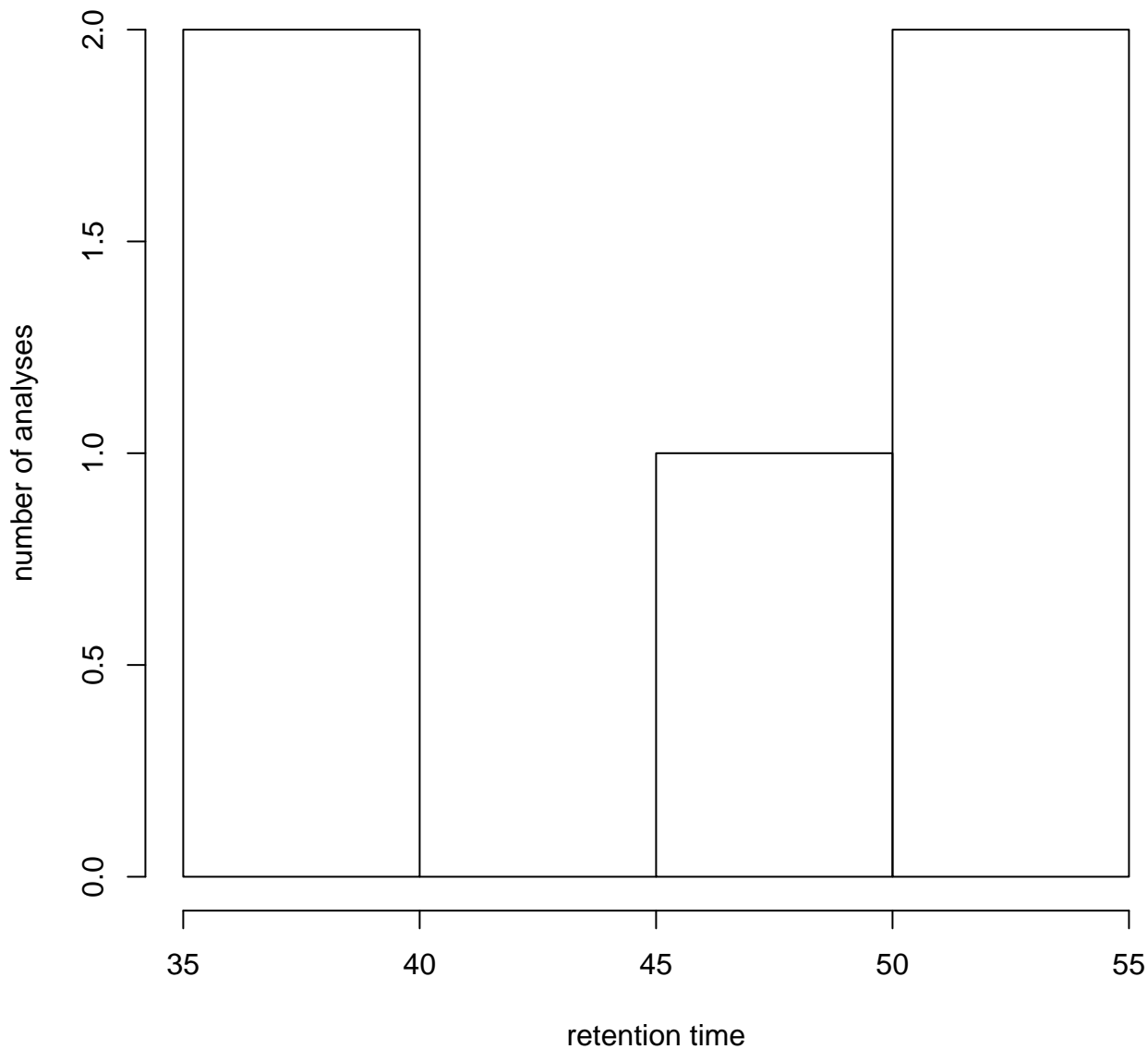
Distribution of retention time for the cluster 153

mean retention time = 48.19 ; range of retention times = 6.771



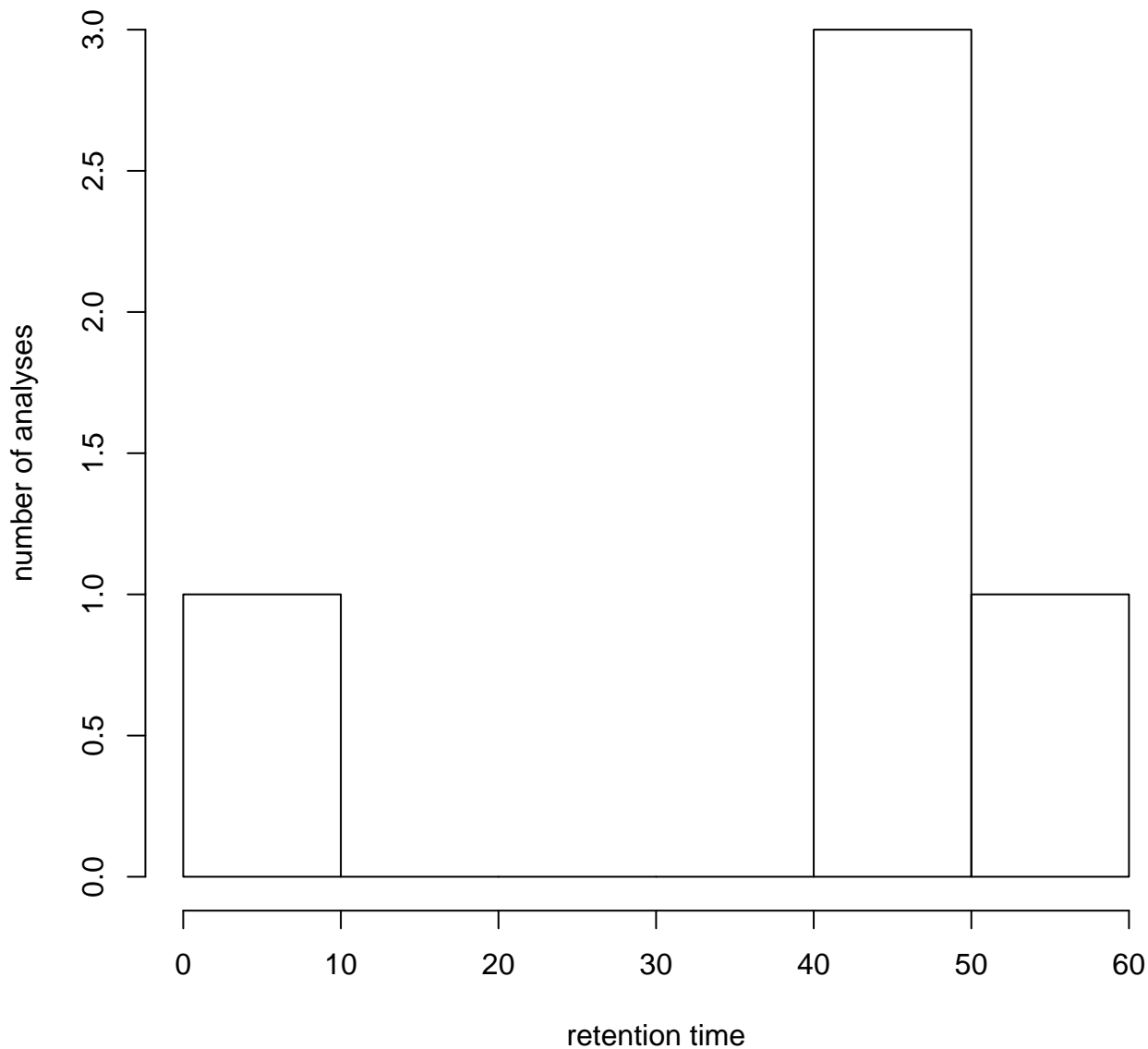
Distribution of retention time for the cluster 154

mean retention time = 45.172 ; range of retention times = 16.633



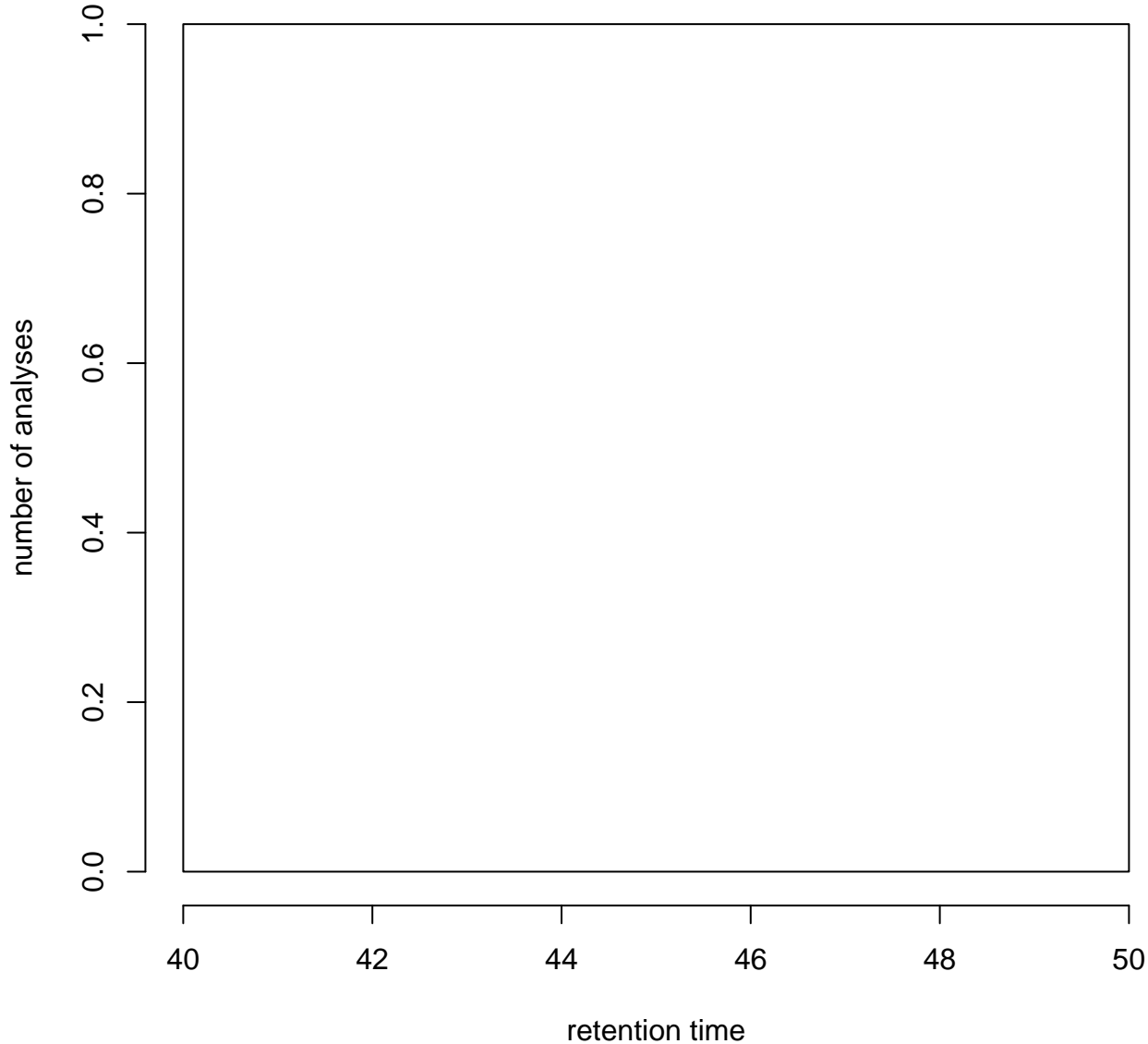
Distribution of retention time for the cluster 155

mean retention time = 38.586 ; range of retention times = 45.628



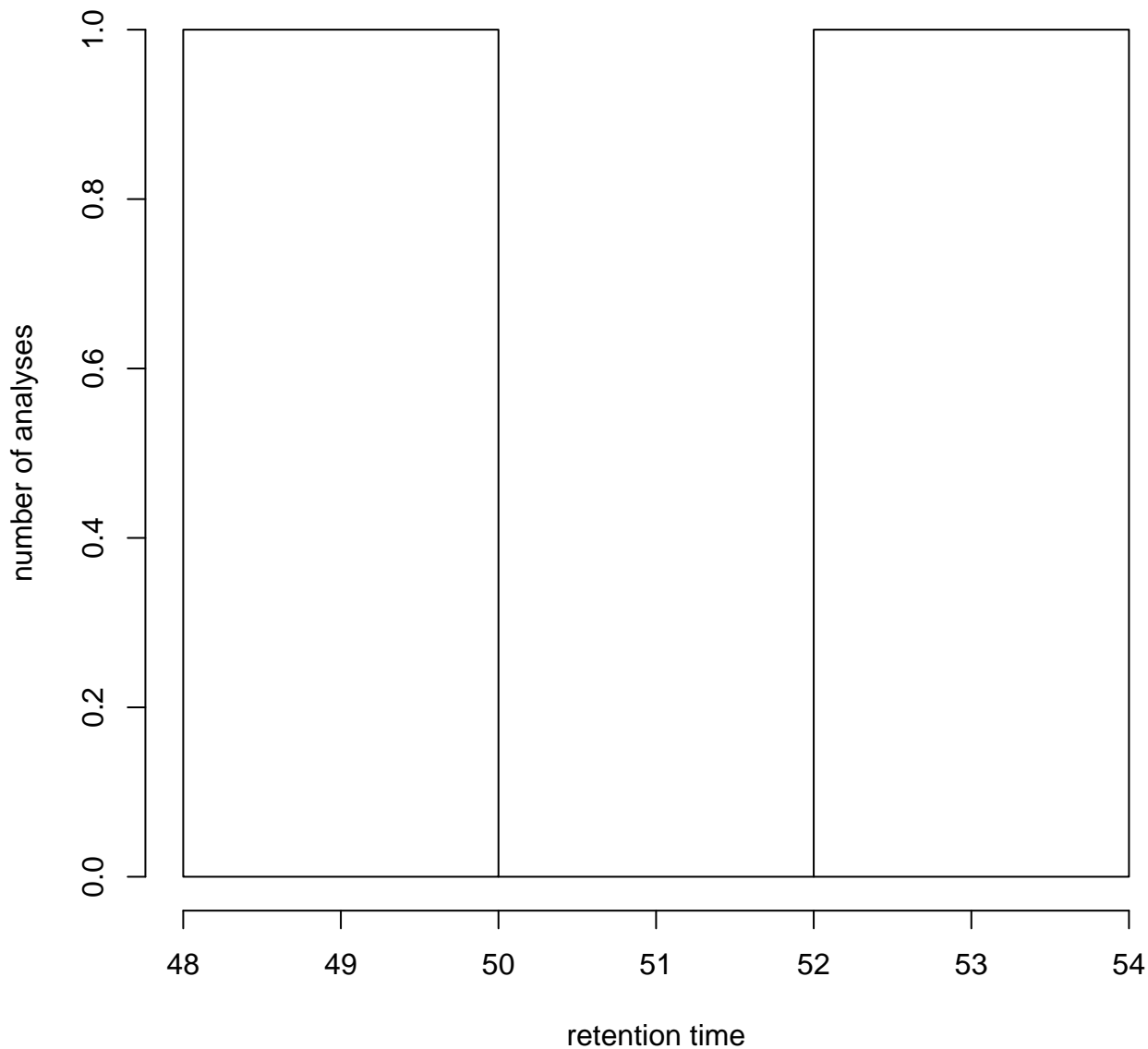
Distribution of retention time for the cluster 156

mean retention time = 43.515 ; range of retention times = 0



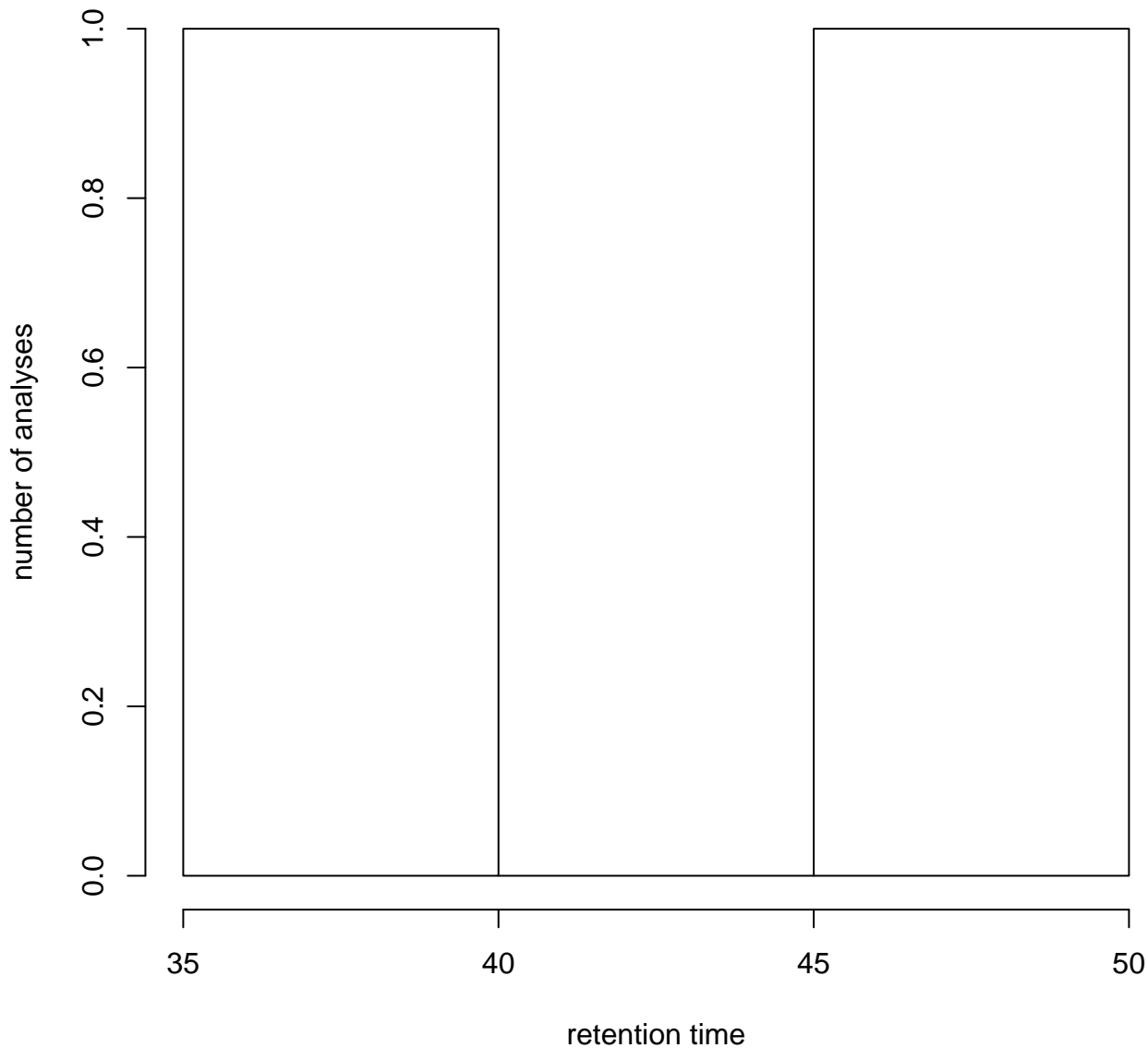
Distribution of retention time for the cluster 157

mean retention time = 50.923 ; range of retention times = 3.798



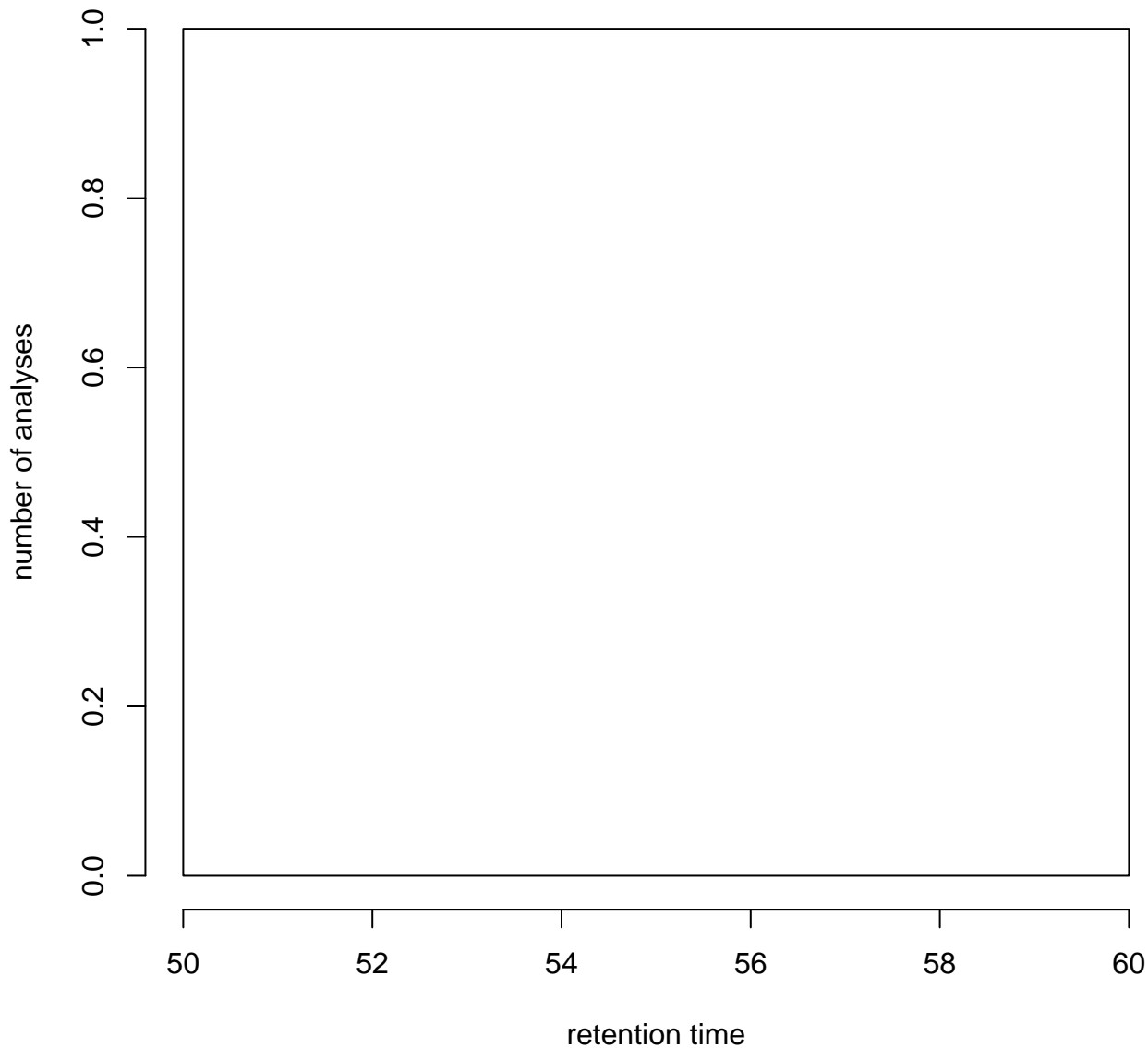
Distribution of retention time for the cluster 158

mean retention time = 42.706 ; range of retention times = 12.887



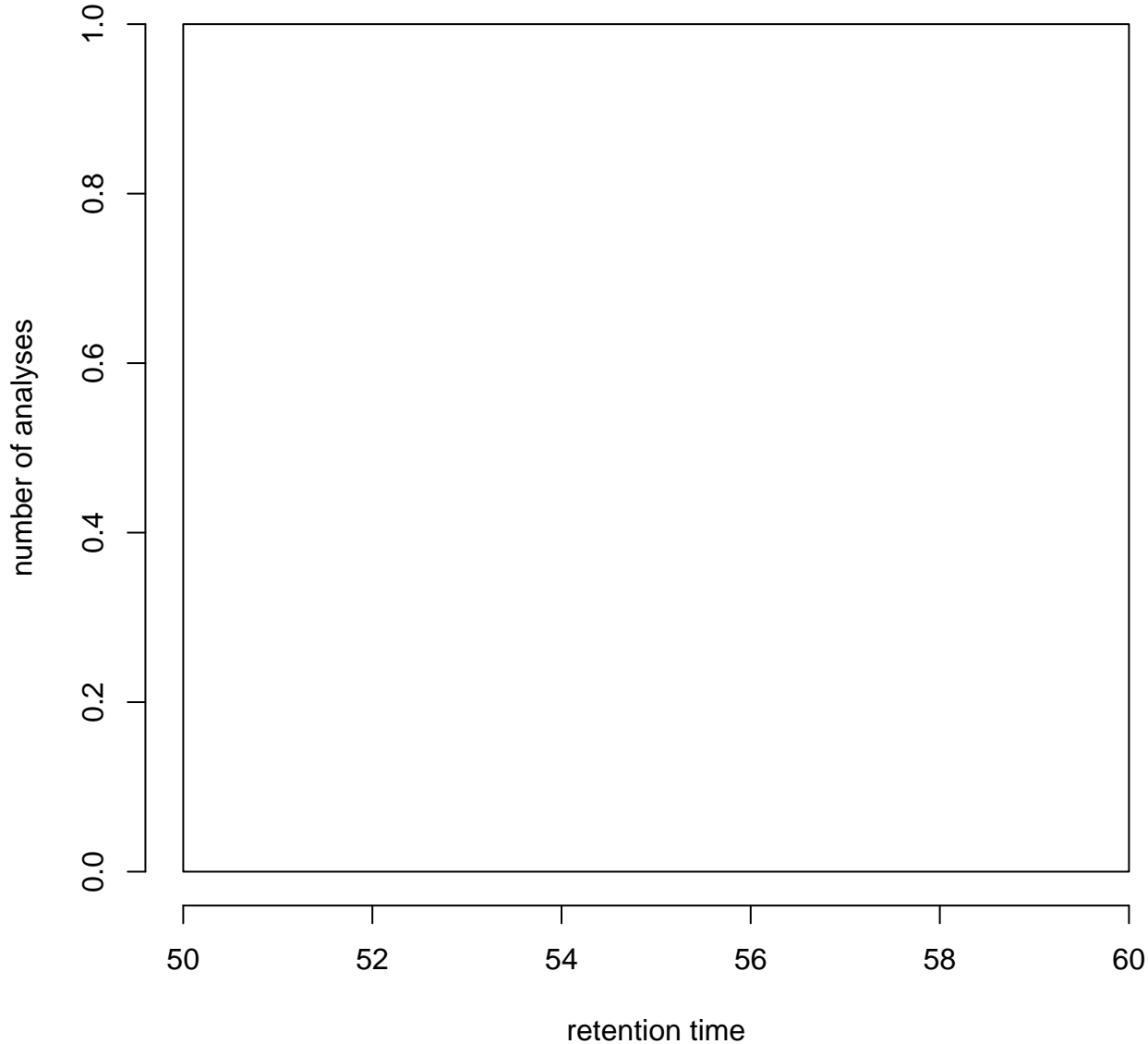
Distribution of retention time for the cluster 159

mean retention time = 51.572 ; range of retention times = 0



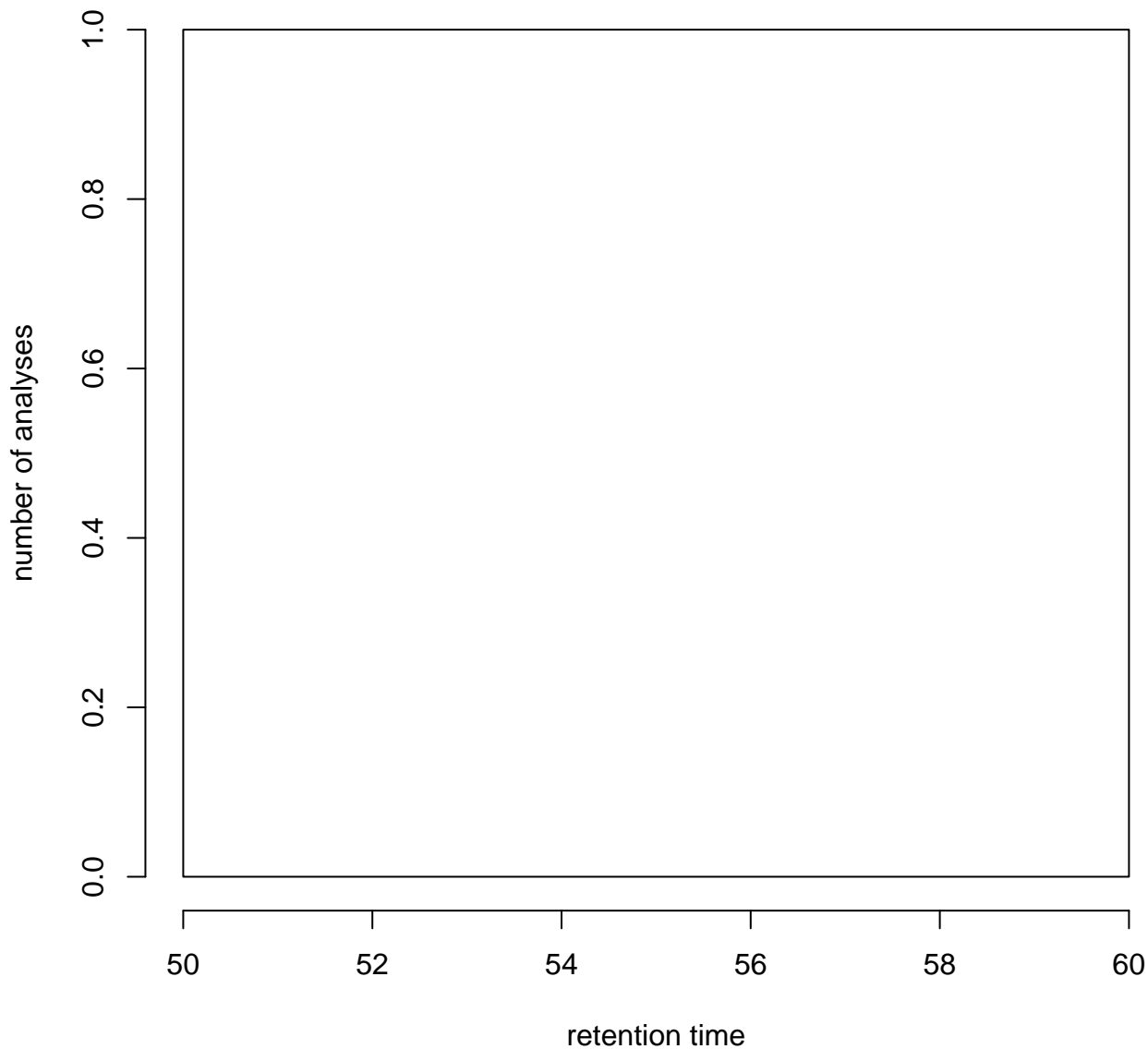
Distribution of retention time for the cluster 160

mean retention time = 52.932 ; range of retention times = 0



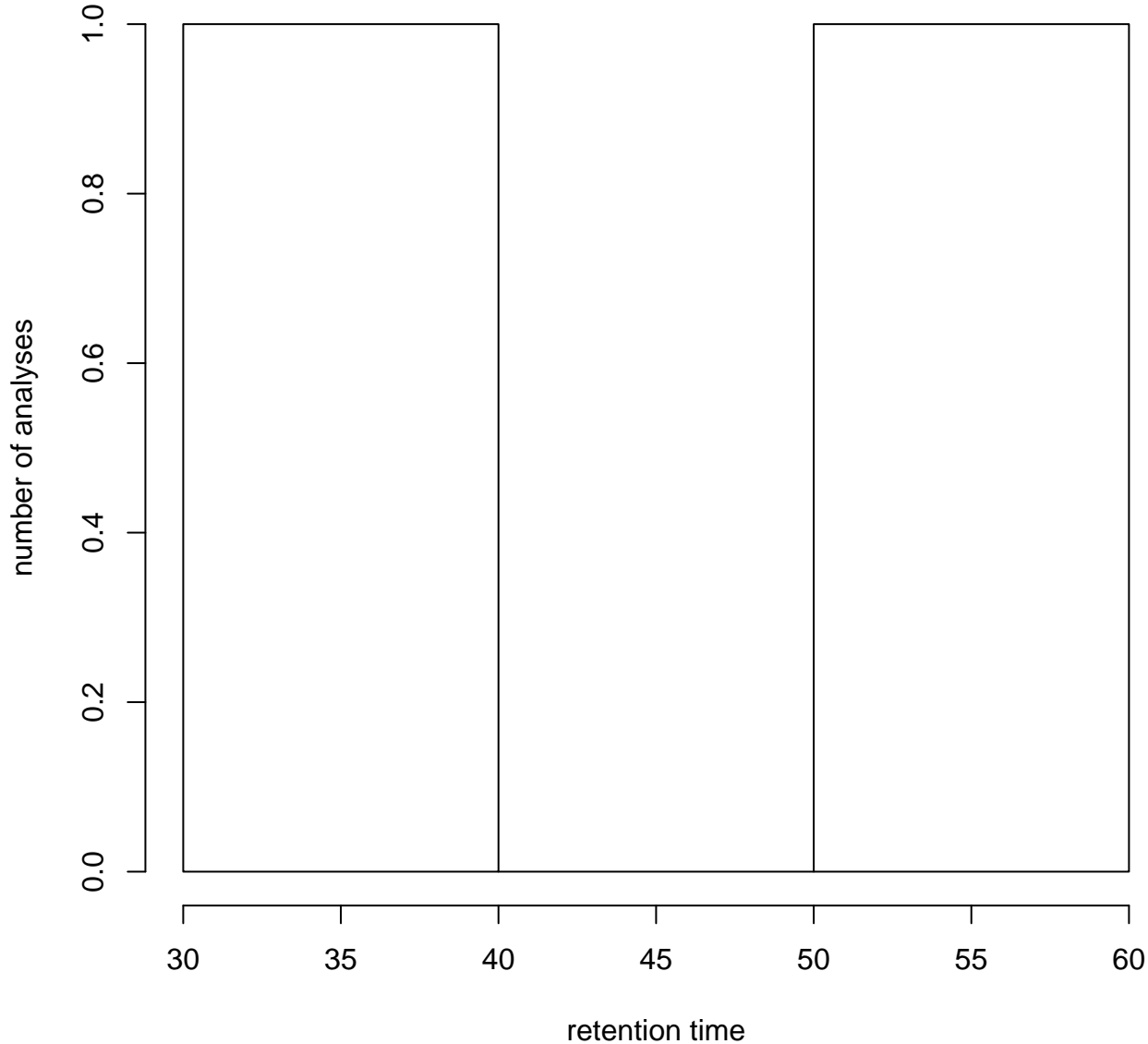
Distribution of retention time for the cluster 161

mean retention time = 51.438 ; range of retention times = 0



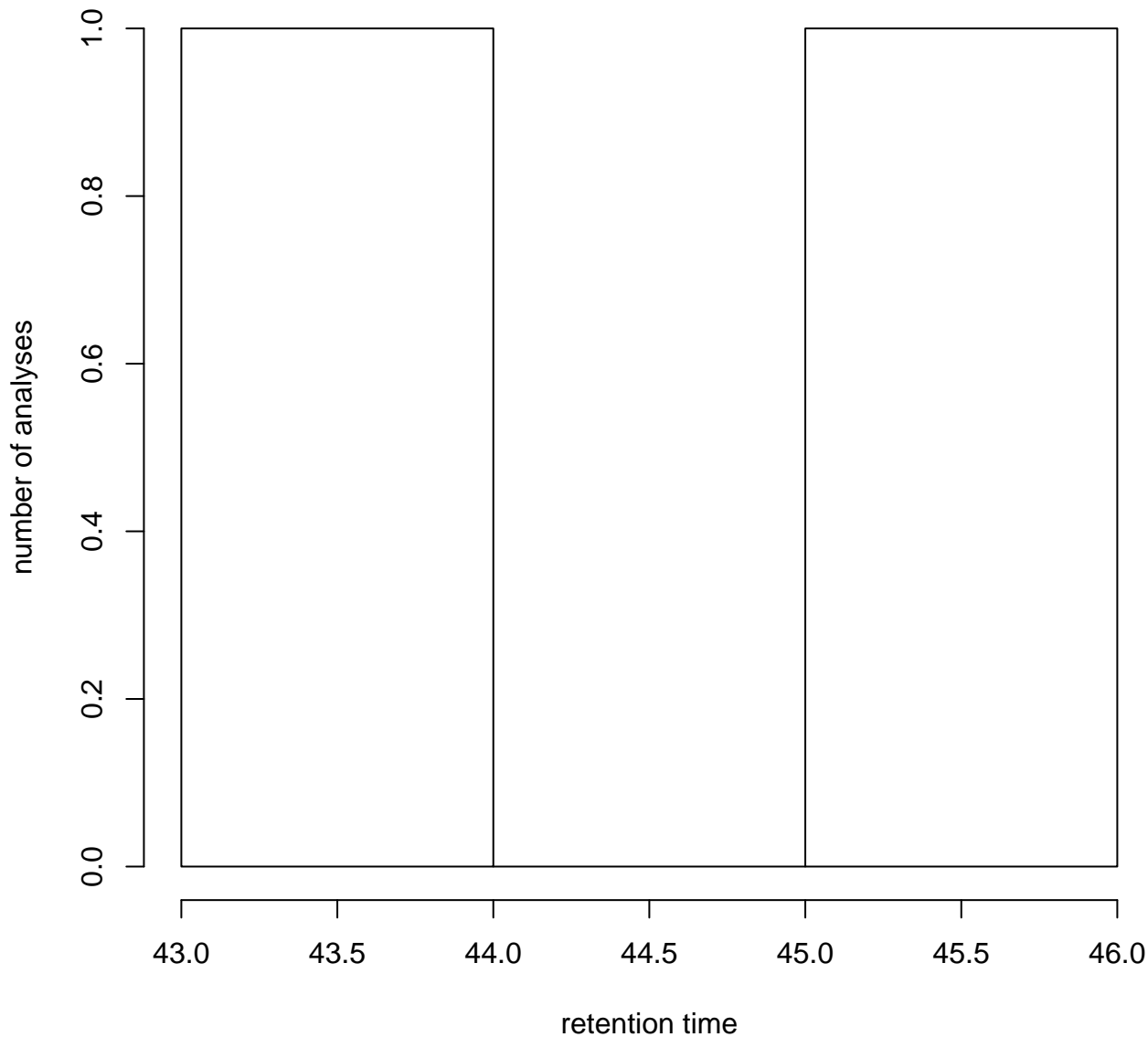
Distribution of retention time for the cluster 162

mean retention time = 44.514 ; range of retention times = 16.71



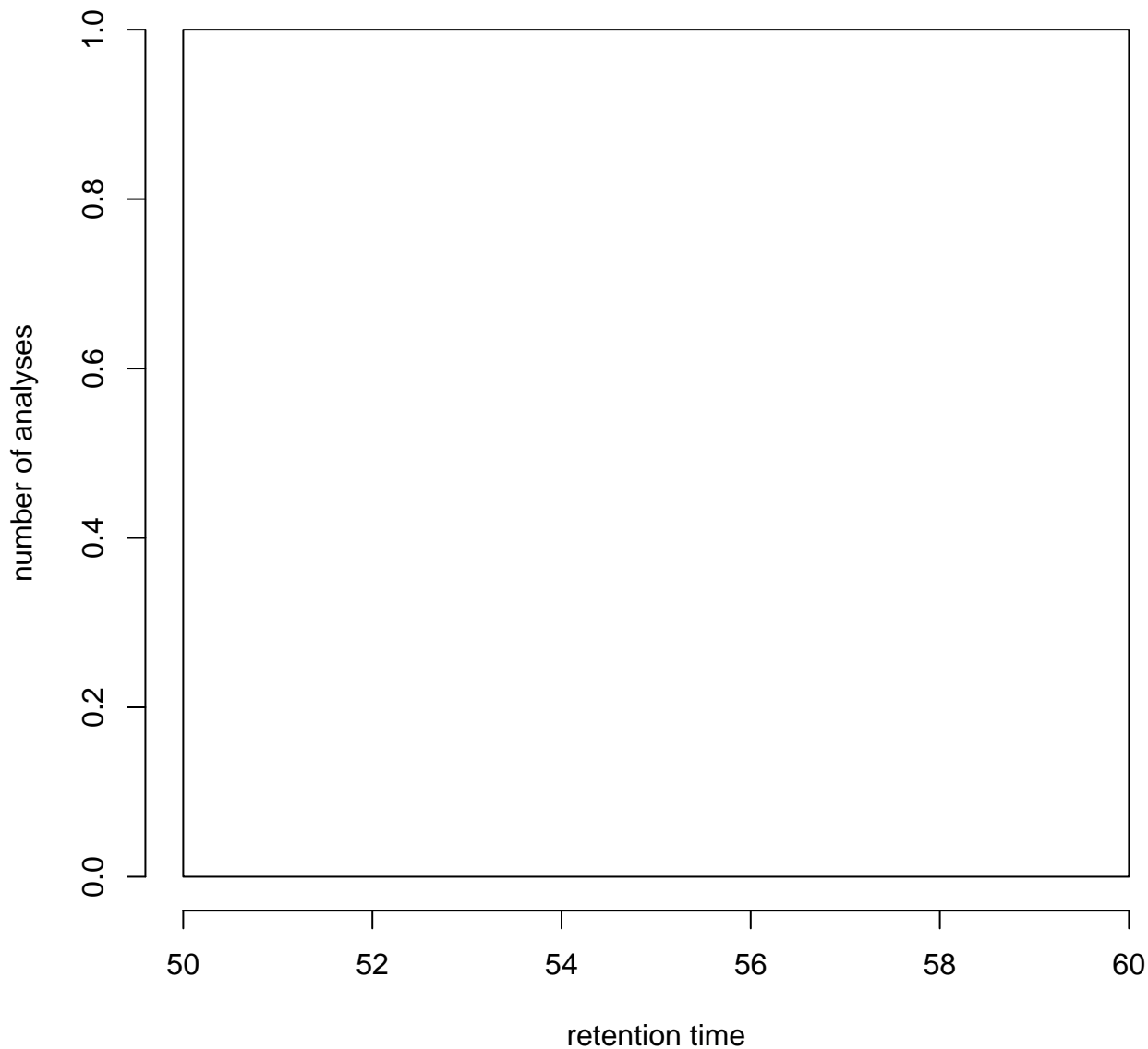
Distribution of retention time for the cluster 163

mean retention time = 44.684 ; range of retention times = 2.569



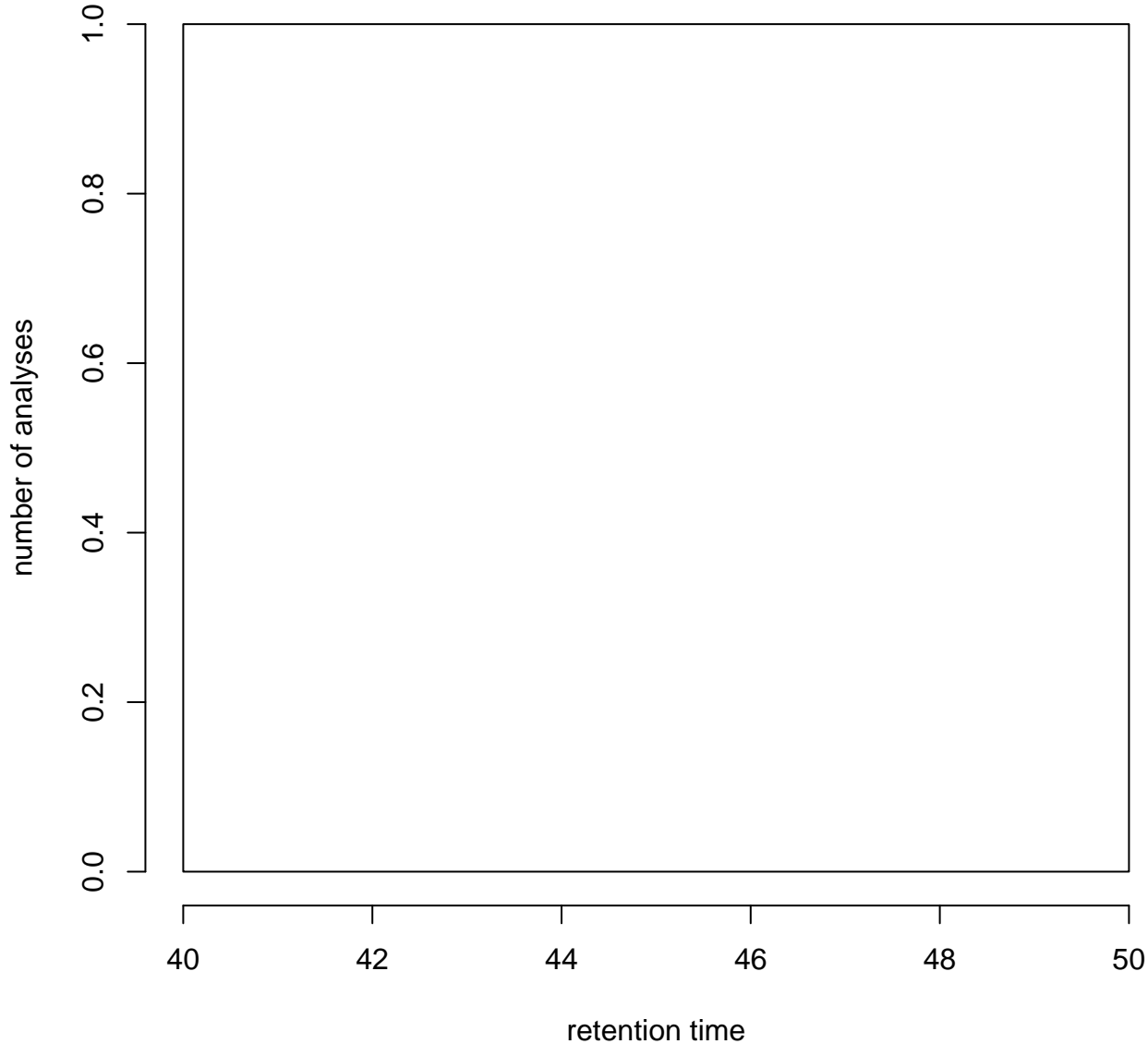
Distribution of retention time for the cluster 164

mean retention time = 51.576 ; range of retention times = 0



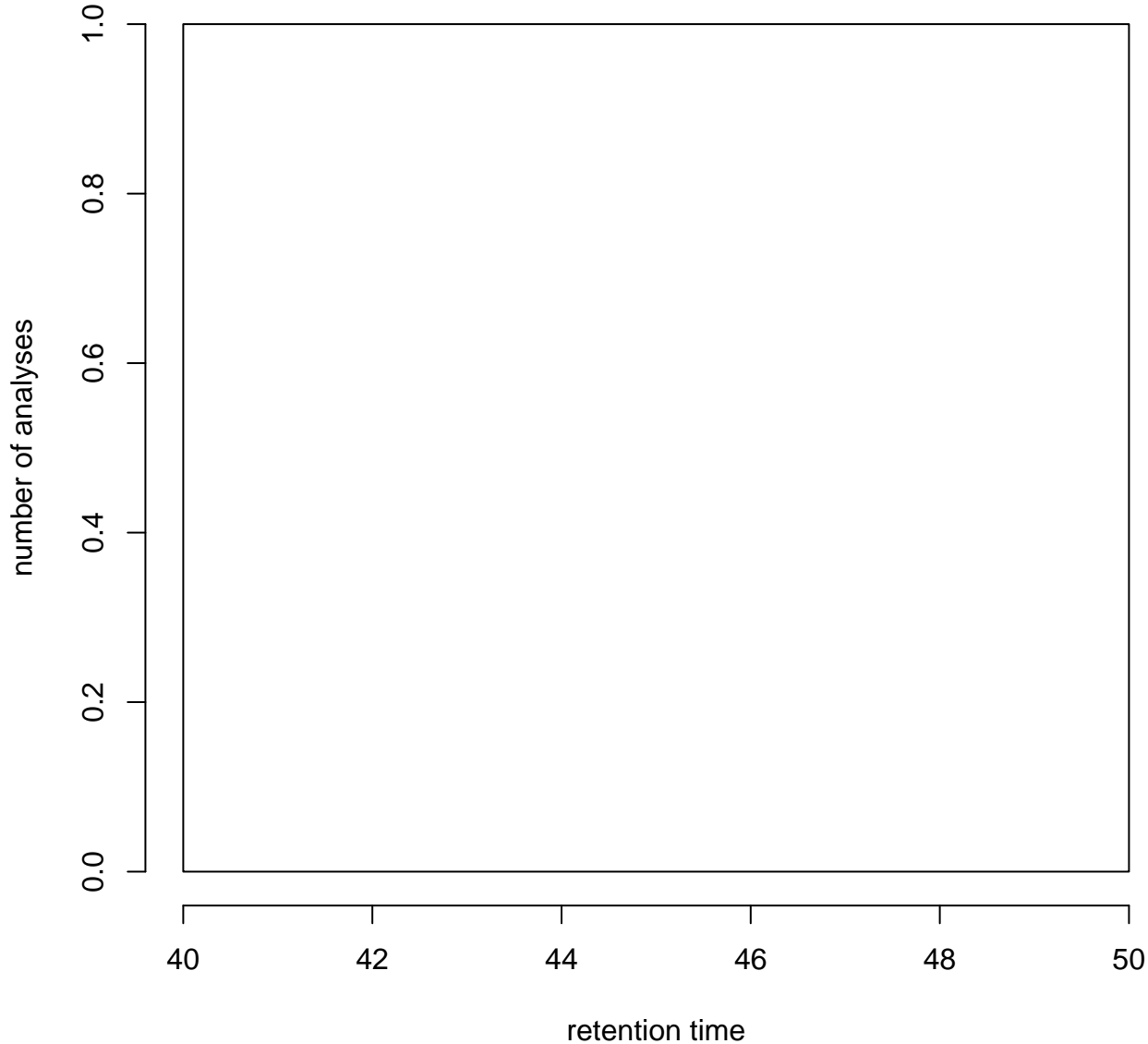
Distribution of retention time for the cluster 165

mean retention time = 43.387 ; range of retention times = 0



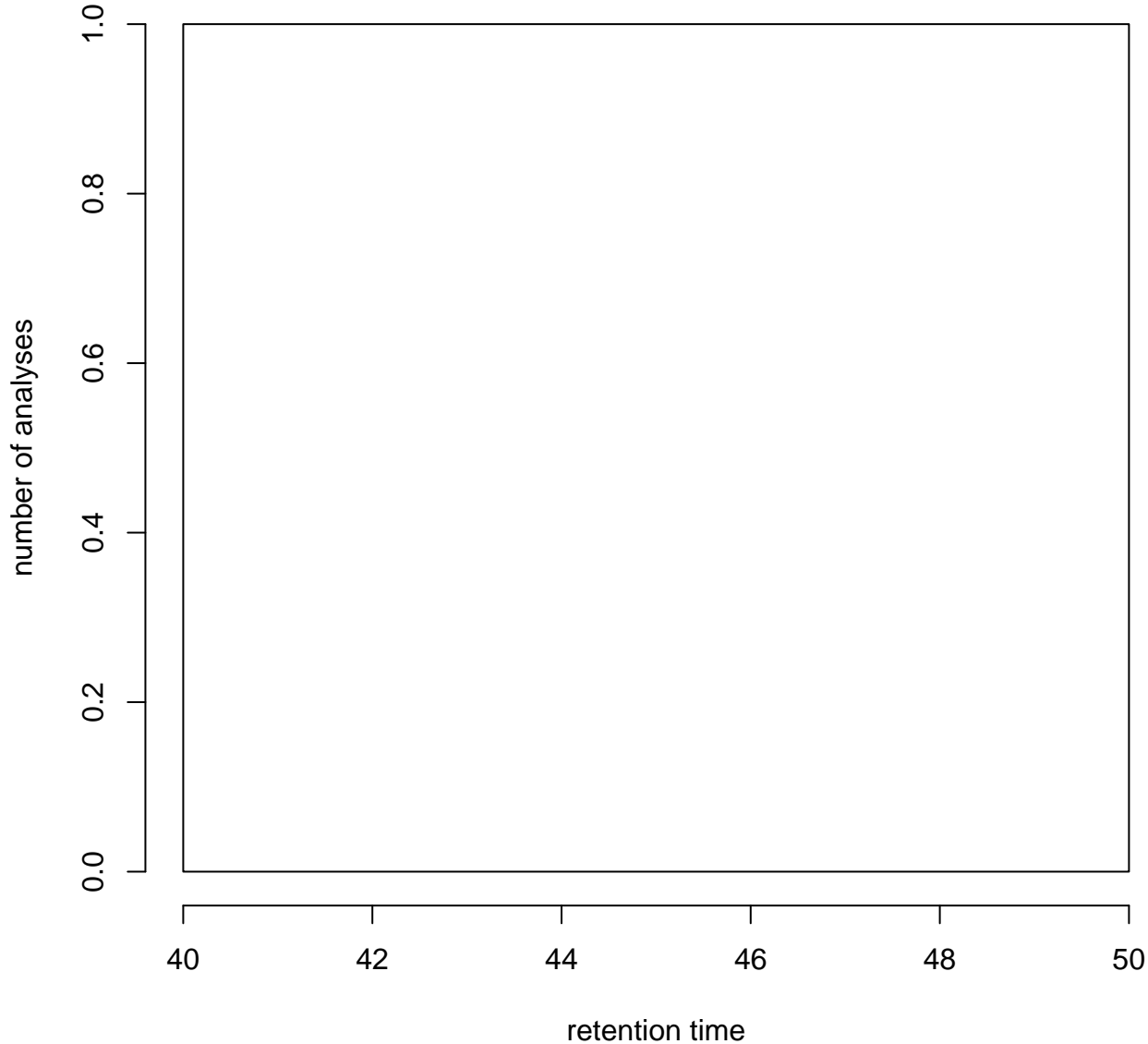
Distribution of retention time for the cluster 166

mean retention time = 46.034 ; range of retention times = 0



Distribution of retention time for the cluster 167

mean retention time = 49.169 ; range of retention times = 0



Distribution of retention time for the cluster 168

mean retention time = 52.807 ; range of retention times = 0

