ꯃꯍꯧꯁꯥꯅ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯍꯥꯏꯕꯁꯤ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯛ ꯀꯔꯦꯟꯠ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄ ꯉꯝꯗꯦ꯫ ꯑꯗꯨꯕꯨ ꯁꯥꯏꯟꯁ ꯑꯦꯟꯗ
ꯇꯦꯀ꯭ꯅꯣꯂꯣꯖꯤꯅ ꯑꯁꯨꯝ ꯆꯥꯎꯈꯠꯂꯛꯄꯗꯒꯤ ꯉꯁꯤꯗꯤ ꯀꯔꯦꯟꯠ ꯐꯥꯎꯗꯨꯅ ꯆꯦꯟꯕ ꯉꯝꯕ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯂꯩꯔꯦ꯫

ꯑꯦꯂꯥꯟ ꯖꯦ ꯍꯤꯒꯔ, ꯑꯦꯂꯥꯟ ꯃꯦꯀꯗꯤꯑꯔꯃꯤꯗ ꯑꯃꯁꯨꯡ ꯍꯤꯗꯦꯀꯤ ꯁꯤꯔꯥꯛꯋꯥꯅ ꯈꯨꯠꯁꯦꯝꯒꯤ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯛ
ꯀꯔꯦꯟꯠ ꯆꯦꯟꯕ ꯉꯝꯕ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯄꯨꯊꯣꯛꯈꯤꯕꯒꯤꯗꯃꯛ ꯀꯨꯝꯖꯥ 2000 ꯒꯤ ꯀꯦꯃꯤꯁꯇ꯭ꯔꯤꯒꯤ ꯅꯣꯕꯦꯜ
ꯄ꯭ꯔꯥꯏꯖ ꯄꯤꯗꯨꯅ ꯏꯀꯥꯏ ꯈꯨꯝꯅꯈꯤ꯫ ꯍꯧꯖꯤꯛ ꯇ꯭ꯔꯥꯟꯁ꯭ꯄꯔꯦꯟꯠ ꯑꯣꯏꯕ ꯍꯥꯏꯕꯗꯤ ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄ
ꯉꯝꯕ ꯄ꯭ꯂꯥꯁꯇꯤꯛꯁꯤꯡꯁꯨ ꯂꯩꯔꯦ꯫ ꯇ꯭ꯔꯥꯟꯁ꯭ꯄꯔꯦꯟꯠ ꯑꯣꯏꯕꯒꯤ ꯆꯥꯡ ꯌꯥꯝꯅ ꯋꯥꯡꯕ ꯑꯗꯨꯒ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯛ
ꯀꯔꯦꯟꯠ ꯆꯠꯄ ꯉꯝꯕ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯃꯈꯜ ꯑꯃ ꯌꯨꯅꯤꯚꯔꯁꯤꯇꯤ ꯑꯣꯐ ꯃꯤꯆꯤꯒꯥꯟ (ꯌꯨ-ꯑꯦꯝ)ꯒꯤ ꯊꯤꯖꯤꯟ
ꯂꯨꯞ ꯑꯃꯅ ꯄꯨꯊꯣꯛꯄ ꯉꯝꯈ꯭ꯔꯦ ꯍꯥꯏꯅ ‘ꯅꯦꯆꯔ ꯀꯝꯃ꯭ꯌꯨꯅꯤꯀꯦꯁꯟꯁ’ ꯇ ꯐꯣꯡꯗꯣꯔꯛꯈ꯭ꯔꯦ꯫ ꯃꯈꯣꯏꯒꯤ
ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯑꯁꯤ ꯑꯆꯧꯕ ꯇꯆ ꯁ꯭ꯀ꯭ꯔꯤꯟꯁꯤꯡ ꯑꯦꯜ ꯏ ꯗꯤ ꯄꯦꯅꯦꯜꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯊꯣꯡꯅꯥꯎꯗ ꯍꯥꯞꯄ ꯌꯥꯕ
ꯏꯟꯐ꯭ꯔꯥ-ꯔꯦꯗ ꯁꯣꯂꯔ ꯁꯦꯜꯁꯤꯡ ꯁꯥꯕꯗ ꯀꯥꯟꯅꯒꯅꯤ ꯍꯥꯏꯔꯤ꯫

ꯃꯈꯣꯏꯅ ꯄꯨꯊꯣꯛꯂꯤꯕ ꯑꯅꯧꯕ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯑꯁꯤ ꯀꯟꯗꯛꯇꯤꯚꯤꯇꯤ ꯑꯃꯁꯨꯡ ꯇ꯭ꯔꯥꯟꯁ꯭ꯄꯔꯦꯟꯁꯤꯒꯤ
ꯃꯔꯛꯇ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯃꯇꯤꯛ ꯆꯥꯔꯕ ꯈꯜ ꯑꯃ ꯊꯝꯅꯕꯒꯤꯗꯃꯛ ꯃꯔꯣꯜ ꯑꯍꯨꯝꯒꯤ ꯑꯦꯟꯇꯤ-ꯔꯤꯐ꯭ꯂꯦꯛꯁꯟ
ꯁꯔꯐꯦꯁ ꯑꯃ ꯁꯦꯝꯃꯤ꯫ ꯀꯔꯦꯟꯠ ꯆꯦꯟꯕ ꯉꯝꯕ ꯙꯥꯇꯨꯒꯤ ꯃꯔꯣꯜ ꯑꯃ ‘ꯗꯥꯏꯏꯂꯦꯛꯇ꯭ꯔꯤꯛ’ ꯑꯣꯏꯕ ꯄꯣꯠ
ꯑꯅꯤꯒꯤ ꯃꯔꯛꯇ ꯍꯥꯞꯄꯤ; ꯃꯁꯤꯅ ꯃꯉꯥꯜꯅ ꯂꯥꯏꯅ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄ ꯉꯝꯍꯜꯂꯤ꯫ ꯗꯥꯏꯏꯂꯦꯛꯇ꯭ꯔꯤꯛꯁꯤꯡꯗꯨꯅ
ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯑꯃꯁꯨꯡ ꯃꯈꯣꯏꯒꯤ ꯃꯔꯛꯇ ꯂꯩꯔꯤꯕ ꯙꯥꯇꯨ ꯑꯅꯤꯃꯛꯇꯒꯤ ꯊꯣꯔꯛꯄ ꯔꯤꯐ꯭ꯂꯦꯛꯁꯟꯕꯨ
ꯍꯟꯊꯍꯜꯂꯤ꯫ ꯌꯨ-ꯑꯦꯝꯒꯤ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯀꯦꯜ ꯑꯦꯟꯖꯤꯅꯤꯌꯔꯤꯡ ꯑꯃꯁꯨꯡ ꯀꯝꯄ꯭ꯌꯨꯇꯔ ꯁꯥꯏꯟꯁꯀꯤ
ꯄ꯭ꯔꯣꯐꯦꯁꯔ ꯖꯌ ꯒꯨꯑꯣꯜꯅ ꯐꯣꯡꯗꯣꯛꯄꯒꯤ ꯃꯇꯨꯡꯏꯟꯅ, ꯃꯈꯣꯏꯒꯤ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯑꯁꯤꯗ ꯇꯩꯁꯤꯜꯂꯤꯕ
ꯃꯔꯣꯜꯁꯤꯡꯁꯤ ꯌꯥꯝꯅ ꯇ꯭ꯔꯥꯟꯁ꯭ꯄꯔꯦꯟꯁꯤ ꯂꯩꯕ, ꯏꯃꯛ-ꯃꯛꯁꯤꯟꯗꯕ, ꯀꯣꯟꯊꯣꯛ-ꯀꯣꯟꯁꯤꯟ ꯏꯔꯥꯏ ꯂꯥꯏꯅ
ꯌꯥꯕ ꯑꯗꯨꯒ ꯑꯇꯣꯞꯄ ꯄꯣꯠꯁꯤꯡꯗ ꯍꯥꯞꯆꯤꯟꯕꯗ ꯌꯥꯝꯅ ꯈꯨꯗꯣꯡꯆꯥꯕ ꯑꯃꯁꯨ ꯑꯣꯏ꯫

ꯏꯍꯥꯟ ꯍꯥꯟꯕꯒꯤ ꯑꯣꯏꯅ, ꯒꯨꯑꯣꯜꯒꯤ ꯊꯤꯖꯤꯟ ꯂꯨꯞ ꯑꯁꯤꯅ ꯌꯥꯝꯅ ꯄꯥꯕ ꯂꯨꯄꯥ (ꯁꯤꯜꯚꯔ)ꯒꯤ ꯃꯔꯣꯜ ꯑꯃ
ꯇꯩꯁꯤꯜꯂꯒ ꯆꯥꯡ ꯌꯦꯡꯈꯤ꯫ ꯙꯥꯇꯨ ꯑꯁꯤꯒꯤ ꯃꯔꯣꯜꯁꯤꯗ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯑꯁꯤ ꯀꯟꯗꯛꯇꯔ ꯑꯣꯏꯍꯜꯂꯤ, ꯑꯗꯨꯕꯨ
ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄꯒꯤ ꯆꯥꯡꯗꯤ ꯆꯥꯗ 10 ꯃꯨꯛ ꯍꯟꯊꯔꯛꯄ ꯊꯦꯡꯅꯈꯤ꯫ ꯑꯗꯨꯅ ꯒ꯭ꯂꯥꯁꯇ ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ
ꯆꯠꯄꯒꯤ ꯆꯥꯡ ꯑꯗꯨꯗꯒꯤ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯑꯁꯤꯗ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄꯒꯤ ꯆꯥꯡꯅ ꯈꯖꯤꯛꯇꯪ ꯍꯟꯊꯩ꯫ ꯑꯗꯨꯝ ꯑꯣꯏꯅꯃꯛ,
ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯑꯁꯤꯗ ꯑꯦꯟꯇꯤ-ꯔꯤꯐ꯭ꯂꯦꯛꯁꯟꯒꯤ ꯃꯔꯣꯜ ꯑꯃ ꯇꯩꯁꯤꯜꯂꯒ ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄꯒꯤ ꯆꯥꯡꯁꯤ
ꯈꯔꯒ ꯍꯦꯟꯅ ꯍꯦꯟꯒꯠꯍꯟꯕ ꯌꯥꯒꯅꯤ ꯍꯥꯏꯔꯤ꯫ ꯃꯁꯤꯒꯤ ꯃꯇꯥꯡꯗ ꯒꯨꯑꯣꯜꯅ ‘ꯅꯥꯟꯖꯤꯡ ꯌꯨꯅꯤꯚꯔꯁꯤꯇꯤ ꯑꯣꯐ
ꯁꯥꯏꯟꯁ ꯑꯦꯟꯗ ꯇꯦꯀ꯭ꯅꯣꯂꯣꯖꯤ’ꯗꯒꯤ ꯌꯨ-ꯑꯦꯝꯗ ꯚꯤꯖꯤꯇꯤꯡ ꯄ꯭ꯔꯣꯐꯦꯁꯔ ꯑꯣꯏꯅ ꯂꯩꯔꯤꯕ ꯗꯣꯡ ꯂꯤꯎꯒ
ꯂꯣꯏꯅꯅ ꯀꯟꯗꯛꯇꯔꯁꯨ ꯑꯣꯏꯕ
ꯑꯦꯟꯇꯤ-ꯔꯤꯐ꯭ꯂꯦꯛꯁꯟꯒꯤ ꯃꯔꯣꯜ
ꯑꯃ ꯄꯨꯊꯣꯛꯄ ꯉꯝꯈꯤ꯫

ꯃꯇꯥꯡ ꯑꯁꯤꯗ ꯊꯤꯖꯤꯟ
ꯂꯨꯞ ꯑꯁꯤꯅ ꯁꯤꯖꯤꯟꯅꯔꯤꯕ
ꯗꯥꯏꯏꯂꯦꯛꯇ꯭ꯔꯤꯛꯁꯤꯡꯁꯤ
ꯑꯦꯂꯨꯃꯤꯅꯤꯌꯝ ꯑꯣꯛꯁꯥꯏꯗ
ꯑꯃꯁꯨꯡ ꯖꯤꯡꯛ ꯑꯣꯛꯁꯥꯏꯗꯅ
ꯁꯥꯕꯅꯤ꯫ ꯃꯉꯥꯜꯒꯤ
ꯍꯧꯔꯛꯐꯝꯂꯣꯝꯗ ꯍꯥꯞꯂꯤꯕ
ꯑꯦꯂꯨꯃꯤꯅꯤꯌꯝ ꯑꯣꯛꯁꯥꯏꯗ
ꯑꯁꯤꯅ, ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯑꯗꯨꯗꯒꯤ ꯃꯉꯥꯜ
ꯊꯛꯇꯣꯛꯈꯤꯕꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯩ꯫ ꯃꯁꯤꯒꯤ
ꯃꯊꯪꯗ ꯙꯥꯇꯨꯒꯤ ꯃꯔꯣꯜꯗꯨ ꯂꯩ, ꯃꯁꯤ ꯀꯣꯔꯤꯒꯤ
ꯁꯔꯨꯛ ꯈꯖꯤꯛꯇꯪ ꯌꯥꯎꯕ ꯂꯨꯄꯥꯒꯤ ꯃꯔꯣꯜ
ꯑꯃꯅꯤ꯫ ꯃꯁꯤꯒꯤ ꯊꯥꯕꯒꯤ ꯆꯥꯡꯅ ꯅꯥꯅꯣꯃꯤꯇꯔ
6.5 ꯈꯛꯇꯅꯤ; ꯃꯁꯤꯒꯤ ꯃꯇꯨꯡꯗ ꯂꯩꯔꯤꯕ
ꯖꯤꯡꯛ ꯑꯣꯛꯁꯥꯏꯗꯒꯤ ꯃꯔꯣꯜ ꯑꯗꯨꯅ
ꯄ꯭ꯂꯥꯁꯇꯤꯛꯀꯤ ꯂꯩꯃꯥꯏꯗ ꯃꯉꯥꯜꯅ ꯌꯩꯍꯟꯕꯗ
ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫ ꯑꯇꯣꯞꯄ ꯅꯥꯀꯜ ꯑꯃꯗ
ꯂꯩꯔꯤꯕ ꯅꯨꯡꯁꯤꯠꯀꯤ ꯁꯔꯨꯛ ꯑꯗꯨꯒ ꯊꯦꯡꯅꯕ
ꯃꯇꯝꯗ ꯄ꯭ꯂꯥꯁꯇꯤꯛꯇꯨꯅ ꯃꯉꯥꯜ ꯈꯔꯗꯤ
ꯊꯛꯇꯣꯛꯍꯜꯂꯛꯏ, ꯑꯗꯨꯕꯨ ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄꯁꯤ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯃꯊꯟꯈꯛꯇꯗꯒꯤ ꯍꯦꯟꯅ ꯐꯕ ꯑꯣꯏ꯫

ꯄ꯭ꯂꯥꯁꯇꯤꯛꯈꯛꯇꯒꯤ ꯇ꯭ꯔꯥꯟꯁ꯭ꯃꯤꯇꯦꯁꯟꯅ ꯆꯥꯗ 88.1 ꯑꯣꯏꯔꯝꯕꯗꯒꯤ ꯃꯔꯣꯜꯁꯤꯡꯁꯤ ꯍꯥꯞꯆꯤꯜꯂꯛꯄꯗꯅ
ꯇ꯭ꯔꯥꯟꯁ꯭ꯃꯤꯇꯦꯟꯁꯤ ꯆꯥꯗ 88.4ꯗ ꯍꯦꯟꯒꯠꯍꯟꯕ ꯉꯝꯃꯤ꯫

ꯊꯤꯖꯤꯟ ꯂꯨꯞ ꯑꯁꯤꯅ ꯐꯪꯂꯛꯂꯤꯕ ꯃꯍꯩꯁꯤꯡꯁꯤ, ꯄ꯭ꯂꯥꯁꯇꯤꯛꯀꯤ ꯃꯍꯨꯠꯇ ꯑꯇꯣꯞꯄ ꯀꯣꯟꯊꯣꯛ-ꯀꯣꯟꯁꯤꯟ
ꯌꯥꯕ, ꯌꯥꯝꯅ ꯇ꯭ꯔꯥꯟꯁ꯭ꯄꯔꯦꯟꯠ ꯑꯣꯏꯕ ꯀꯟꯗꯛꯇꯔꯁꯤꯡ ꯁꯤꯖꯤꯟꯅꯔꯒ ꯁꯥꯕꯁꯨ ꯌꯥꯒꯅꯤ ꯍꯥꯏꯔꯤ꯫ ꯄꯥꯝꯂꯤꯕ
ꯏꯂꯦꯛꯇ꯭ꯔꯤꯀꯦꯜ ꯀꯟꯗꯛꯇꯦꯟꯁ ꯑꯗꯨ ꯐꯪꯅꯕꯒꯤꯗꯃꯛ, ꯗꯥꯏꯏꯂꯦꯛꯇ꯭ꯔꯤꯛ-ꯃꯦꯇꯜ-ꯗꯥꯏꯏꯂꯦꯛꯇ꯭ꯔꯤꯛ
ꯀꯟꯗꯛꯇꯔ ꯑꯁꯤꯅ ꯃꯊꯧ ꯇꯧꯕ ꯉꯝꯕꯈꯛꯇ ꯅꯠꯇꯅ ꯃꯈꯣꯏꯒꯤ ꯇ꯭ꯔꯥꯟꯁ꯭ꯃꯤꯇꯦꯁꯟ ꯑꯁꯤꯁꯨ ꯇꯞꯅ-

ꯇꯞꯅ ꯍꯦꯟꯒꯠꯍꯟꯕ ꯉꯝꯂꯛꯀꯅꯤ ꯍꯥꯏꯅ ꯂꯤꯎꯅ ꯐꯣꯡꯗꯣꯛꯂꯤ꯫ ꯃꯈꯥ ꯇꯥꯅ ꯊꯤꯖꯤꯟꯕ ꯌꯥꯔꯤꯕꯗꯤ, ꯍꯦꯟꯅ
ꯆꯨꯅꯕ ꯗꯥꯏꯏꯂꯦꯛꯇ꯭ꯔꯤꯛꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯙꯥꯇꯨꯁꯤꯡ ꯊꯤꯕ ꯂꯣꯏꯅ-ꯂꯣꯏꯅꯅ ꯃꯉꯥꯜ ꯊꯛꯇꯣꯔꯛꯄꯒꯤ ꯆꯥꯡ
ꯌꯥꯝꯅ ꯍꯟꯊꯍꯟꯅꯕ ꯙꯥꯇꯨꯒꯤ ꯃꯔꯣꯜꯗꯨ ꯀꯌꯥꯃꯨꯛ ꯌꯥꯝꯅ ꯄꯥꯍꯟꯒꯗꯒꯦ ꯍꯥꯏꯕꯁꯤꯅꯤ꯫ ꯄꯨꯝꯅꯃꯛꯀꯤ ꯑꯣꯏꯅ
ꯍꯥꯏꯔꯕꯗ, ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯑꯃꯁꯨꯡ ꯙꯥꯇꯨꯒꯤ ꯃꯔꯛꯇ ꯂꯩꯔꯤꯕ ꯄꯣꯠ ꯑꯗꯨꯒꯤ ꯔꯤꯐ꯭ꯔꯦꯛꯇꯤꯚ ꯏꯟꯗꯦꯛꯁ
ꯌꯥꯝꯅ ꯆꯥꯎꯍꯟꯕꯒꯤ ꯃꯊꯧ ꯇꯥꯏ, ꯑꯗꯨꯒ ꯃꯉꯥꯜꯒꯤ ꯍꯧꯔꯛꯐꯝꯒ ꯅꯛꯅꯔꯤꯕ ꯄꯣꯠ ꯑꯗꯨꯒꯤꯅ ꯌꯥꯔꯤꯕꯃꯈꯩ
ꯔꯤꯐ꯭ꯔꯥꯛꯇꯤꯚ ꯏꯟꯗꯦꯛꯁꯇꯨ ꯄꯤꯛꯍꯟꯕ ꯇꯥꯏ꯫

ꯑꯩꯈꯣꯏꯅ ꯂꯩꯅꯔꯤꯕ ꯌꯨꯝꯁꯤꯡꯒꯤ ꯊꯣꯡꯅꯥꯎꯗ ꯒ꯭ꯂꯥꯁ ꯍꯥꯞꯄ ꯍꯥꯏꯕꯁꯤ ꯍꯧꯖꯤꯛꯇꯤ ꯆꯠꯅꯕꯤ ꯑꯃ
ꯑꯣꯏꯔꯛꯂꯦ꯫ ꯏꯃꯨꯡꯗ ꯅꯨꯡꯁꯥ ꯃꯉꯥꯜ ꯐꯪꯅꯕ ꯑꯃꯁꯨꯡ ꯐꯖꯕꯒꯤ ꯑꯣꯏꯅ ꯍꯥꯞꯅꯕꯅ ꯑꯌꯥꯝꯕꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯁꯣꯂꯔ
ꯁꯦꯜꯁꯤꯡ ꯌꯥꯎꯔꯕ ꯌꯥꯝꯅꯁꯨ ꯇ꯭ꯔꯥꯟꯁ꯭ꯄꯔꯦꯟꯠ ꯑꯣꯏꯕ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯅꯠꯇ꯭ꯔꯒ ꯒ꯭ꯂꯥꯁ ꯍꯥꯞꯂꯕꯗꯤ ꯃꯁꯤꯗꯒꯤ
ꯑꯦꯅꯔꯖꯤꯁꯨ ꯐꯪꯕ ꯉꯝꯂꯒꯅꯤ ꯑꯗꯨꯒ ꯏꯃꯨꯡꯗ ꯃꯉꯥꯜ ꯆꯪꯕꯒꯤ ꯆꯥꯡꯁꯨ ꯍꯦꯜꯂꯒꯅꯤ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯒꯨꯑꯣꯜꯅ
ꯊꯣꯡꯅꯥꯎꯗ ꯍꯥꯞꯄ ꯌꯥꯕ, ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ ꯂꯥꯏꯅ ꯆꯠꯄ ꯉꯝꯕ ꯁꯣꯂꯔ ꯁꯦꯜꯁꯤꯡ ꯌꯥꯎꯔꯕ ꯀꯟꯗꯛꯇꯔꯁꯤꯡ
ꯁꯦꯝꯒꯠꯅꯕꯒꯤꯗꯃꯛ ꯑꯇꯣꯞꯄ ꯊꯤꯖꯤꯟ ꯂꯨꯞꯁꯤꯡꯒ ꯄꯨꯟꯁꯤꯟꯅꯅꯕ ꯍꯣꯠꯅꯔꯤ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯃꯈꯜꯒꯤ
ꯁꯣꯂꯔ ꯁꯦꯜꯁꯤꯡꯁꯤꯅ ꯅꯨꯡꯁꯥ ꯃꯉꯥꯜꯗ ꯌꯥꯎꯔꯤꯕ ꯏꯟꯐ꯭ꯔꯥ-ꯔꯦꯗ (ꯃꯩꯁꯥ ꯑꯣꯏꯅ ꯐꯪꯂꯤꯕ)ꯕꯨ ꯆꯨꯞꯁꯤꯜꯂꯒ
ꯏꯂꯦꯛꯇ꯭ꯔꯤꯁꯤꯇꯤꯗ ꯑꯣꯟꯊꯣꯛꯄ, ꯑꯗꯨꯒ ꯃꯤꯠꯅ ꯎꯕ ꯃꯉꯥꯜꯁꯤꯡꯕꯨ ꯀꯥ ꯃꯅꯨꯡꯗ ꯆꯪꯍꯟꯈꯤꯗꯨꯅ ꯀꯥ ꯑꯗꯨꯕꯨ
ꯉꯥꯜꯍꯟꯕ ꯉꯝꯍꯜꯂꯤ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯃꯈꯜꯒꯤ ꯇ꯭ꯔꯥꯟꯁ꯭ꯄꯔꯦꯟꯠ ꯑꯣꯏꯕ ꯀꯟꯗꯛꯇꯔꯁꯤꯡꯁꯤꯅ ꯀꯥ ꯍꯦꯟꯅ
ꯏꯪꯕ ꯂꯝꯁꯤꯡ, ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯀꯥꯁꯃꯤꯔꯒꯨꯝꯕꯗ ꯎꯟꯁꯤꯡꯗ ꯀꯨꯞꯁꯤꯜꯂꯛꯄꯗꯒꯤ ꯒꯥꯔꯤ ꯊꯧꯕꯗ ꯈꯨꯗꯣꯡꯆꯥꯗꯕ
ꯀꯌꯥꯃꯨꯛ ꯃꯥꯌꯣꯛꯅꯔꯤꯕꯁꯤꯗꯒꯤꯁꯨ ꯉꯥꯛꯊꯣꯛꯄ ꯉꯝꯒꯅꯤ ꯍꯥꯏꯔꯤ꯫ ꯀꯥꯔꯒꯤ ꯃꯃꯥꯡꯊꯪꯕ ꯋꯤꯟꯗꯁꯤꯜꯗꯁꯨ
ꯑꯁꯤꯒꯨꯝꯕ ꯃꯈꯜꯒꯤ ꯇ꯭ꯔꯥꯟꯁ꯭ꯄꯔꯦꯟꯠ ꯑꯣꯏꯕ ꯀꯟꯗꯛꯇꯔꯁꯤ ꯑꯣꯏꯅ ꯍꯥꯞꯂꯒ, ꯇꯥꯁꯤꯜꯂꯛꯂꯤꯕ
ꯎꯟꯁꯤꯡꯗꯨ ꯁꯧꯗꯣꯛꯍꯟꯈꯤꯕ ꯌꯥꯏ꯫ ꯃꯁꯤꯅ ꯒꯥꯔꯤ ꯊꯧꯕꯗ ꯍꯦꯟꯅ ꯈꯨꯗꯣꯡꯆꯥꯕ ꯍꯥꯏꯕꯗꯨ ꯑꯣꯏꯍꯜꯂꯒꯅꯤ꯫

ꯊꯤꯖꯤꯟꯕ ꯑꯁꯤꯕꯨ ‘ꯑꯦꯝ ꯇꯤ ꯑꯥꯔ ꯑꯦ ꯁꯤ ꯑꯦꯗꯚꯥꯟꯁ ꯃꯦꯇꯔꯤꯑꯦꯜꯁ ꯍꯕ ꯑꯦꯋꯥꯔꯗ’ꯅ ꯁꯦꯜꯒꯤ ꯃꯇꯦꯡ
ꯄꯤꯈꯤ꯫ ꯑꯗꯨꯒ ꯂꯤꯎꯅ ꯌꯨ-ꯑꯦꯝꯗ ꯂꯥꯛꯈꯤꯕꯁꯤꯅ ꯆꯤꯅꯥꯒꯤ ‘ꯅꯦꯁꯅꯦꯜ ꯅꯦꯆꯔꯦꯜ ꯁꯥꯏꯟꯁ ꯐꯥꯎꯟꯗꯦꯁꯟ’ꯅ
ꯃꯇꯦꯡ ꯄꯥꯡꯈꯤ꯫ ꯌꯨꯅꯤꯚꯔꯁꯤꯇꯤ ꯑꯣꯐ ꯃꯤꯆꯤꯒꯥꯟꯅ ꯃꯈꯣꯏꯅ ꯄꯨꯊꯣꯛꯂꯤꯕ ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄ ꯉꯝꯕ
ꯀꯟꯗꯛꯇꯤꯡ ꯁꯣꯂꯔ ꯁꯦꯜꯁꯤꯕꯨ ꯃꯤꯌꯥꯝꯗ ꯐꯪꯍꯟꯅꯕꯒꯤꯗꯃꯛ ꯁ꯭ꯇꯥꯔꯠ ꯑꯞ ꯀꯝꯄꯦꯅꯤ ‘ꯖꯦꯅꯤꯊꯅꯥꯅꯣ’ꯗ
ꯂꯥꯏꯁꯦꯟꯁ ꯄꯤꯈ꯭ꯔꯦ꯫

ꯑꯦꯗꯤꯇꯣꯔꯤꯌꯦꯜ IMPHAL, WEDNESDAY, JULY 15, 2020 ꯌꯨꯝꯁꯀꯩꯁ, ꯏꯉꯦꯟꯒꯤ 25 ꯅꯤ ꯄꯥꯟꯕ, ꯃꯥꯂꯤꯌꯥ ꯀꯨꯝꯁꯤꯡ 3418 obT\ꯂꯩ ꯃꯀꯩꯋ꯭ꯀ
2 HUEIYEN LANPAO

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ
ꯌꯨꯝꯁꯀꯩꯁ, ꯖꯨꯂꯥꯏ 15, 2020, ꯏꯝꯐꯥꯜ
12 ꯁꯨꯕ ꯆꯍꯤ, 089 ꯁꯨꯕ ꯃꯁꯤꯡ
ꯄꯥꯎꯆꯦ ꯑꯁꯤꯗ ꯐꯣꯡꯖꯔꯤꯕ ꯋꯥꯔꯦꯡꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜ, ꯃꯤꯠꯌꯦꯡ ꯑꯏꯕ ꯃꯁꯥ ꯃꯁꯥꯒꯤꯅꯤ꯫ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜꯂꯣꯟ ꯑꯃꯁꯨꯡ ꯃꯤꯠꯌꯦꯡꯒ ꯊꯣꯏꯗꯣꯛꯅ ꯃꯔꯤ ꯂꯩꯅꯗꯦ꯫

ꯍ꯭ꯌꯨꯃꯦꯟ ꯃꯥꯏꯒ꯭ꯔꯦꯁꯟꯗ ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯜ ꯗꯤ ꯑꯦꯟ ꯑꯦ
(ꯃꯇ ꯙꯟꯑ) ꯒꯤ ꯃꯊꯧ
ꯃꯤꯑꯣꯏꯕꯅ ꯃꯥꯂꯦꯝꯗ ꯍꯦꯛ ꯈꯣꯡꯗꯥꯕ ꯍꯧꯔꯛꯄꯗꯒꯤ ꯉꯁꯤ ꯐꯥꯎꯕ ꯂꯦꯞꯄ ꯂꯩꯇꯅ ꯃꯐꯝ ꯑꯃꯗꯒꯤ
ꯃꯐꯝ ꯑꯃꯗ ꯍꯣꯡ-ꯍꯣꯡꯗꯨꯅ ꯆꯠꯄꯒꯤ ꯑꯃꯗꯤ ꯈꯨꯟꯗꯥ-ꯂꯩꯇꯥꯗꯨꯅ ꯂꯩꯔꯕꯒꯤ ꯍꯩꯅꯕꯤ ꯑꯁꯤ ꯆꯠꯅꯔꯤ꯫

ꯃꯥꯂꯦꯝꯒꯤ ꯈꯥ-ꯋꯥꯡ, ꯅꯣꯡꯄꯣꯛ-ꯅꯣꯡꯆꯨꯞ, ꯑꯏꯪ-ꯑꯁꯥ ꯈꯦꯟꯅꯕ ꯑꯃꯗꯤ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯑꯀꯣꯏꯕꯒꯤ
ꯐꯤꯚꯝ ꯀꯌꯥꯗ ꯆꯨꯁꯤꯟꯅꯈꯤꯕꯒ ꯂꯣꯏꯅꯅ ꯈꯨꯟꯗꯥꯗꯨꯅ ꯂꯥꯛꯂꯤ꯫ ꯁꯥꯏꯟꯇꯤꯁꯠꯁꯤꯡꯅ ꯊꯤꯖꯤꯟꯕꯗꯒꯤ ꯐꯪꯕ ꯈꯨꯗꯝ-

ꯆꯥꯡꯗꯝ ꯀꯌꯥꯗꯒꯤ ꯃꯤꯑꯣꯏꯕ ꯐꯨꯔꯨꯞ ꯑꯁꯤ ꯑꯐ꯭ꯔꯤꯀꯥꯗꯒꯤ ꯍꯧꯔꯛꯈꯤꯕꯅꯤ ꯍꯥꯏꯕ ꯈꯪꯕ ꯉꯝꯈꯤ꯫ ꯁꯥꯡꯂꯕ
ꯃꯇꯝꯗꯒꯤ ꯃꯐꯝ ꯑꯃꯗꯒꯤ ꯃꯐꯝ ꯑꯃꯗ ꯆꯠꯊꯣꯛ-ꯆꯠꯁꯤꯟ ꯇꯧꯕ ꯑꯃꯗꯤ ꯆꯠꯅ-ꯀꯥꯡꯂꯣꯟ, ꯅꯥꯠ-ꯄꯨ,
ꯂꯣꯜ-ꯂꯤ ꯃꯥꯟꯅꯕꯒꯤ ꯃꯇꯨꯡꯏꯟꯅ ꯀꯥꯡꯂꯨꯞ ꯅꯥꯏꯅ ꯈꯨꯟꯗꯥꯅꯈꯤꯕ ꯑꯃꯁꯨꯡ ꯑꯏꯪ-ꯑꯁꯥ ꯈꯦꯟꯅꯕ ꯃꯐꯝꯁꯤꯡꯗ
ꯆꯨꯁꯤꯟꯅꯗꯨ ꯂꯩꯅꯈꯤꯕꯅ ꯃꯥꯟꯅꯗꯕ ꯃꯈꯜꯒꯤ ꯃꯤꯑꯣꯏ ꯐꯨꯔꯨꯞ (ꯍꯨꯃꯥꯅ ꯔꯥꯆꯦꯁ) ꯀꯌꯥ ꯑꯣꯏꯔꯛꯈꯤ꯫ ꯑꯗꯨꯕꯨ
ꯃꯥꯟꯅꯗ꯭ꯔꯤꯕ ꯀꯥꯡꯂꯨꯞ/ꯐꯨꯔꯨꯞꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯃꯃꯤꯗꯤ ꯃꯤꯑꯣꯏꯕꯁꯤꯡꯒꯤ ꯖꯤꯟꯁ (ꯒꯦꯅꯦꯁ) ꯇ ꯇꯥꯗꯨꯅ ꯂꯩ꯫

ꯃꯥꯟꯅꯕ ꯐꯥꯏꯕꯣꯛ (identical ꯇꯋꯤꯅꯁ) ꯈꯛ ꯅꯠꯇꯅ ꯀꯩꯗꯧꯅꯨꯡꯗ ꯃꯤꯑꯣꯏ ꯑꯅꯤꯒꯤ ꯖꯤꯅꯣꯇꯥꯏꯞ ꯑꯃꯁꯨꯡ
ꯐꯤꯅꯣꯇꯥꯏꯞ ꯃꯥꯟꯅꯗꯦ꯫ ꯃꯁꯤꯒꯤ ꯈꯦꯟꯅꯕ ꯀꯌꯥꯅ ꯊꯜꯂꯕ ꯖꯤꯅꯣꯇꯥꯏꯄꯤꯛ ꯑꯃꯁꯨꯡ ꯐꯤꯅꯣꯇꯥꯏꯄꯤꯛ
ꯏꯟꯐꯣꯔꯃꯦꯁꯟꯁꯤꯡ ꯑꯁꯤꯅ ꯃꯤꯑꯣꯏꯕ ꯐꯨꯔꯨꯞꯀꯤ ꯃꯔꯛꯇ ꯂꯩꯕ ꯈꯦꯟꯅꯕ - ꯍꯨꯃꯥꯅ ꯗꯤꯚꯦꯔꯁꯤꯇꯌ, ꯃꯐꯝ
ꯑꯃꯗꯒꯤ ꯑꯃꯗ ꯍꯣꯡꯗꯨꯅ ꯆꯠꯄꯒꯤ ꯂꯝꯕꯤ - migration route ꯑꯃꯁꯨꯡ ꯍꯥꯟꯅꯗꯒꯤ ꯂꯣꯏꯅꯗꯨꯅ ꯂꯥꯛꯄ
ꯂꯥꯏꯅꯥ ꯀꯌꯥ ꯈꯪꯗꯣꯛꯅꯕꯒꯤ ꯀꯥꯟꯅꯔꯕ ꯃꯆꯥꯛ (resource) ꯑꯣꯏ꯫

ꯑꯅꯧꯕ ꯑꯃꯁꯨꯡ ꯈꯨꯃꯥꯡ ꯆꯥꯎꯁꯤꯜꯂꯕ ꯃꯣꯂꯤꯀ꯭ꯌꯨꯂꯔ ꯇꯦꯛꯅꯤꯛ ꯀꯌꯥꯒꯤ ꯃꯇꯦꯡꯅ ꯌꯥꯝꯅ ꯂꯥꯏꯅ ꯑꯃꯗꯤ
ꯑꯇꯦꯟꯕ ꯃꯇꯝꯒꯤ ꯃꯅꯨꯡꯗ ꯖꯤꯅꯦꯇꯤꯛ ꯁ꯭ꯇꯗꯤ ꯑꯃꯁꯨꯡ ꯑꯦꯅꯥꯂꯥꯏꯁꯤꯁꯠ ꯇꯧꯕ ꯉꯝꯂꯦ꯫ ꯆꯍꯤ 50ꯒꯤ
ꯃꯅꯨꯡꯁꯤꯗ ꯃꯣꯂꯤꯀ꯭ꯌꯨꯂꯔ ꯃꯥꯔꯀꯔꯒꯤ ꯃꯇꯦꯡꯅ ꯖꯤꯅꯦꯇꯤꯛꯀꯤ ꯈꯦꯟꯅꯕꯒꯤ ꯊꯤꯖꯤꯟꯕ ꯑꯃꯁꯨꯡ ꯅꯩꯅꯕꯗ
ꯑꯆꯧꯕ ꯑꯑꯣꯟꯕ ꯑꯃ ꯄꯨꯔꯛꯈꯤ꯫ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯃꯥꯔꯀꯔ ꯃꯈꯜ - RAPD, RFLP, AFLP,

CBDP, iBPS, ꯈꯟꯞ, VNTR, STR ꯑꯁꯤꯅꯆꯤꯡꯕ ꯀꯌꯥ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯄꯣꯄ꯭ꯌꯨꯂꯦꯁꯟ ꯑꯃꯒꯤ
ꯃꯅꯨꯡꯗ ꯅꯠꯇ꯭ꯔꯒ ꯄꯣꯄ꯭ꯌꯨꯂꯦꯁꯟꯁꯤꯡꯒꯤ ꯃꯔꯛꯇ ꯂꯩꯔꯤꯕ ꯖꯤꯅꯦꯇꯤꯛ ꯚꯦꯔꯤꯌꯦꯁꯟ ꯑꯁꯤ ꯈꯪꯗꯣꯛꯄ
ꯉꯝꯃꯏ꯫ ꯃꯁꯤꯒꯤ ꯃꯊꯛꯇ ꯌꯨꯅꯤꯄꯦꯔꯟꯇꯜ ꯑꯣꯏꯕ [Y-ꯍꯦꯄ꯭ꯂꯣꯒ꯭ꯔꯨꯞ, ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯜ ꯙꯟꯑ
(ꯃꯇ ꯙꯟꯑ)] ꯑꯃꯁꯨꯡ ꯕꯥꯏꯄꯦꯔꯟꯇꯜ ꯑꯣꯏꯕ ꯃꯥꯔꯀꯔ [ꯍꯨꯃꯥꯅ leukocyte antigen (ꯊꯜꯑ)
ꯑꯃꯁꯨꯡ ꯀꯤꯂꯂꯦꯔ-ꯆꯦꯂꯂ immunoglobulin - ꯂꯤꯀꯦ ꯔꯦꯆꯦꯄꯇꯣꯔ (KIR) ꯃꯈꯜ ꯀꯌꯥꯅꯁꯨ ꯖꯤꯅꯦꯇꯤꯛ
ꯗꯥꯏꯚꯔꯁꯤꯇꯤ ꯅꯩꯅꯕꯗ ꯑꯆꯧꯕ ꯊꯧꯗꯥꯡ ꯂꯧꯏ꯫

ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯥ ꯍꯥꯏꯔꯤꯕ ꯑꯣꯔꯒꯥꯅꯦꯜ ꯑꯁꯤ ꯑꯦꯖꯤꯡ ꯑꯄꯣꯞꯇꯣꯁꯤꯁ, ꯁꯦꯜ ꯏꯅꯔꯖꯦꯇꯤꯛꯁ
ꯑꯃꯁꯨꯡ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯂꯥꯏꯅꯥ ꯀꯌꯥꯒꯤ ꯍꯧꯔꯛꯐꯝ ꯑꯝꯗꯨ ꯃꯑꯣꯡ ꯃꯇꯧ ꯅꯩꯅꯕꯗ ꯑꯆꯧꯕ ꯊꯧꯗꯥꯡ ꯂꯧꯔꯤ꯫

ꯏꯀꯨꯏ ꯀꯨꯏꯗ꯭ꯔꯤꯉꯩꯒꯤ ꯃꯃꯥꯡꯗ ꯃꯁꯤꯒꯤ ꯁꯦꯃꯤ-ꯑꯣꯇꯣꯅꯣꯃꯁ ꯑꯣꯔꯒꯥꯅꯦꯜ ꯑꯁꯤꯕꯨ ꯏꯚꯣꯂ꯭ꯌꯨꯁ꯭ꯅꯔꯤ ꯏꯚꯦꯟꯠ
ꯀꯌꯥ ꯊꯤꯕꯗ/ꯈꯪꯗꯣꯛꯄꯗ ꯀꯥꯟꯅꯕ ꯃꯒꯨꯟ ꯀꯌꯥ ꯆꯦꯜꯂꯤ ꯍꯥꯏꯅ ꯈꯪꯕ ꯉꯝꯂꯛꯈꯤ꯫ ꯅ꯭ꯌꯨꯀ꯭ꯂꯤꯌꯔ ꯗꯤ ꯑꯦꯟ
ꯑꯦꯒꯤ ꯆꯥꯡꯗꯝꯅꯕꯗ ꯃꯇ ꯙꯟꯑ ꯒꯤ ꯃꯁꯤꯡꯅ ꯁꯦꯜꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗ ꯌꯥꯝꯅ ꯌꯥꯎꯕ ꯃꯔꯝꯅ ꯐꯣꯁꯤꯜꯁꯤꯡꯒꯤ
ꯔꯦꯁꯤꯗ꯭ꯌꯨꯖ ꯅꯩꯅꯕꯗ ꯌꯥꯝꯅ ꯅꯨꯡꯉꯥꯏꯕ ꯑꯃꯁꯨꯡ ꯂꯥꯏꯕ ꯑꯣꯏ꯫ ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯜ ꯖꯤꯅꯣꯝ ꯑꯁꯤ 99%

ꯗꯤ ꯃꯃꯥꯔꯣꯝꯗꯒꯤ (ꯃꯥꯇꯦꯔꯅꯥꯂꯂꯌ) ꯂꯥꯛꯄ ꯖꯤꯟꯁ ꯑꯣꯏ ꯑꯗꯨꯒ 0.01%ꯅ ꯃꯄꯥꯔꯣꯝꯗꯒꯤ ꯂꯥꯛꯏ꯫ ꯁꯦꯜ
ꯑꯃꯗ ꯃꯇ ꯙꯟꯑ ꯌꯥꯎꯕꯒꯤ ꯆꯥꯡ ꯑꯁꯤ ꯁꯦꯜꯗꯨꯗ ꯌꯥꯎꯕ ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯥꯒꯤ ꯃꯁꯤꯡ, ꯃꯇ ꯙꯟꯑ ꯒꯤ
ꯃꯁꯤꯡꯒꯤ ꯃꯈꯥ ꯄꯣꯜꯂꯤ꯫ ꯍꯥꯏꯔꯤꯕ ꯄꯦꯔꯥꯃꯤꯇꯔꯁꯤꯡ ꯑꯁꯤꯁꯨ ꯁꯦꯜ ꯑꯃꯒ ꯁꯦꯜ ꯑꯃꯒꯒꯤ ꯃꯔꯛꯇ
ꯌꯥꯝꯅ ꯆꯥꯎꯅ ꯈꯦꯟꯅꯩ꯫ ꯃꯤꯑꯣꯏꯕꯒꯤ ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯜ ꯗꯤ ꯑꯦꯟ ꯑꯦ ꯑꯁꯤ ꯗꯕꯜ ꯁ꯭ꯇ꯭ꯔꯥꯟꯗꯦꯗ ꯑꯃꯗꯤ
ꯁꯔꯀ꯭ꯌꯨꯂꯔ ꯃꯣꯂꯤꯀ꯭ꯌꯨꯜ ꯑꯣꯏꯕ, ꯑꯗꯨꯒ ꯃꯇ ꯙꯟꯑ ꯁꯤꯡꯒꯤ ꯃꯔꯛꯇꯅ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯄꯤꯛꯄ ꯑꯣꯏ꯫

ꯑꯩꯈꯣꯏ ꯃꯤꯑꯣꯏꯕꯒꯤ ꯃꯇ ꯙꯟꯑ ꯑꯁꯤ ꯕꯦꯖ ꯄꯦꯌꯔ (ꯕꯥꯁꯦ pair) 13,569 ꯁꯥꯡꯏ ꯑꯃꯁꯨꯡ ꯃꯔꯨꯑꯣꯏꯕ
ꯖꯤꯟꯁ 37ꯒꯤ ꯖꯤꯅꯦꯇꯤꯛ ꯀꯣꯗ ꯌꯥꯎꯏ꯫ ꯃꯁꯤꯒꯤ ꯃꯅꯨꯡꯗ ꯖꯤꯟꯁ 13ꯅ ꯔꯦꯁꯄꯤꯔꯥꯇꯣꯔꯌ chain protein

ꯁꯨꯕ-unit ꯀꯤ, ꯖꯤꯟꯁ 22ꯅ

transfer RNA (tRNA),
ꯑꯗꯨꯒ ꯂꯦꯝꯍꯧꯔꯤꯕ ꯖꯤꯟꯁ 2ꯅ

ribosomal RNA (r RNA)
ꯑꯅꯤ ꯑꯃꯁꯨꯡ ꯅꯣꯅ-ꯆꯣꯗꯤꯅꯒ

displacement loop

(D-loop) Amggi kod

ꯇꯧꯏ꯫

ꯑꯄꯨꯟꯕ ꯖꯤꯅꯣꯝ ꯁꯥꯏꯖꯀꯤ
ꯃꯅꯨꯡꯗ ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯜ
ꯗꯤ ꯑꯦꯟ ꯑꯦꯅ ꯑꯄꯤꯛꯄ
ꯐ꯭ꯔꯦꯛꯁꯟ ꯑꯃꯈꯛ
ꯑꯣꯏꯖꯔꯕꯁꯨ ꯃꯤꯑꯣꯏꯕ ꯐꯨꯔꯨꯞꯀꯤ
ꯃꯔꯛꯇ ꯂꯩꯕ ꯈꯦꯟꯅꯕ ꯑꯃꯁꯨꯡ
ꯍꯧꯔꯛꯐꯝꯒꯤ ꯃꯔꯤ ꯊꯤꯕꯗꯗꯤ
ꯑꯆꯧꯕ ꯊꯧꯗꯥꯡ ꯂꯧꯕ ꯃꯣꯂꯤꯀ꯭ꯌꯨꯂꯔ ꯃꯥꯔꯀꯔ ꯑꯃ ꯑꯣꯏꯔꯤ꯫ ꯃꯁꯤꯒꯤ ꯃꯔꯨ ꯑꯣꯏꯕ ꯃꯔꯝꯗꯤ:- (1)
ꯅ꯭ꯌꯨꯀ꯭ꯂꯤꯌꯔ ꯙꯟꯑ (ꯅꯙꯟꯑ) ꯒ ꯆꯥꯡꯗꯝꯅꯕꯗ ꯃꯇ ꯙꯟꯑ ꯅ ꯃ꯭ꯌꯨꯇꯦꯁꯟ ꯔꯦꯠ ꯋꯥꯡꯕꯅ ꯃꯔꯝ ꯑꯣꯏꯔꯒ
ꯃꯤꯑꯣꯏꯕꯁꯤꯡꯒꯤ ꯃꯔꯛꯇ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯜ ꯚꯦꯔꯤꯑꯦꯟꯠ ꯌꯥꯎꯕ; (2) ꯃꯇ ꯙꯟꯑ
ꯗ ꯔꯤꯀꯝꯕꯤꯅꯦꯁꯟꯒꯤ ꯊꯧꯑꯣꯡ ꯆꯠꯊꯗꯕ; (3) ꯃꯇ ꯙꯟꯑ ꯑꯁꯤ ꯗꯕꯜ ꯁ꯭ꯇ꯭ꯔꯥꯟꯗꯦꯗ ꯑꯣꯏꯕ ꯃꯔꯝꯅ
ꯁ꯭ꯇꯦꯕꯜ ꯑꯣꯏ ꯑꯃꯁꯨꯡ ꯗꯤꯒ꯭ꯔꯦꯗꯦꯗ ꯑꯣꯏꯔꯕ ꯁꯦꯝꯄꯜꯁꯤꯡꯗꯒꯤ ꯂꯥꯏꯅ ꯐꯪꯕ ꯉꯝꯃꯤ; (8) ꯁꯦꯝꯄꯜ ꯂꯧꯕ
ꯃꯇꯝꯗ ꯌꯥꯝꯅ ꯂꯥꯏꯅ, ꯑꯀꯥꯏ-ꯑꯇꯣꯏ ꯊꯣꯛꯍꯟꯗꯕ (ꯅꯣꯅ-invasive) ꯃꯑꯣꯡꯗ ꯕꯛꯀꯜ ꯁ꯭ꯋꯥꯕꯇꯒꯤ
ꯃꯇ ꯙꯟꯑ ꯑꯁꯤ ꯐꯪꯕ ꯉꯝꯃꯤ; (5) ꯃꯇ ꯙꯟꯑ ꯑꯁꯤ ꯆꯥꯗꯥ-ꯅꯥꯎꯗꯥ ꯌꯨꯅꯤꯄꯦꯔꯟꯇꯜ ꯇ꯭ꯔꯥꯟꯁꯐꯔꯦꯜ ꯑꯣꯏ
(ꯃꯥꯇꯦꯔꯅꯥꯂꯂꯌ inheritance) ꯑꯃꯁꯨꯡ (6) ꯃꯇ ꯙꯟꯑ ꯑꯁꯤ ꯏꯚꯣꯂ꯭ꯌꯨꯁ꯭ꯅꯔꯤ ꯄꯔꯤꯡꯗ ꯆꯣꯏꯊꯣꯛꯇꯦ
(ꯅꯣꯅ-ꯗꯤꯁꯥꯔꯔꯥꯌꯦꯗ ꯅꯥꯇꯨꯔꯦ)꯫

ꯑꯁꯨꯝꯅ ꯔꯤꯀꯝꯕꯤꯅꯦꯁꯟ ꯊꯣꯛꯇꯕ, ꯃꯄꯨꯡ ꯐꯥꯅ ꯙꯟꯑ repair ꯇꯧꯗꯕ, ꯃ꯭ꯌꯨꯇꯦꯁꯟ ꯔꯦꯠ ꯋꯥꯡꯕ,
ꯂꯦꯞꯄ ꯂꯩꯇꯅ ꯑꯂꯤꯜ (allele) ꯗꯤꯂꯤꯁꯟ ꯊꯣꯛꯄ ꯀꯌꯥꯁꯤꯡ ꯑꯁꯤꯅ ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯜ ꯖꯤꯅꯣꯝꯗ

linkage disequilibrium

ꯃꯌꯥꯝ ꯄꯩꯁꯤꯜꯂꯛꯄꯒꯤ ꯃꯔꯝ

AoI> loInn individual loci

ꯗ ꯐꯤꯠꯅꯦꯁꯀꯤꯗꯃꯛ ꯖꯤꯅꯦꯇꯤꯛ
ꯚꯦꯔꯤꯌꯦꯁꯟ ꯊꯣꯛꯂꯛꯄ ꯀꯌꯥꯕꯨ
ꯁꯔꯨꯛ ꯈꯔꯇ ꯑꯣꯏꯔꯕꯁꯨ
ꯊꯤꯡꯕ ꯉꯝꯕ ꯃꯔꯝꯅ ꯅꯥꯇꯨꯔꯥꯂ

selection d sruK yabgi caZ

ꯍꯟꯊꯍꯜꯂꯤ꯫ ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯜ
ꯖꯤꯅꯣꯝꯒꯤ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ
ꯖꯒꯥꯁꯤꯡ ꯑꯁꯤ ꯆꯞ ꯃꯥꯟꯅꯕ ꯆꯥꯡꯗ
ꯃ꯭ꯌꯨꯇꯦꯁꯟ ꯅꯠꯇ꯭ꯔꯒ ꯏꯚꯣꯜꯚ ꯇꯧꯕꯗꯤ ꯅꯠꯇꯦ꯫ ꯀꯥ ꯍꯦꯟꯅ ꯃ꯭ꯌꯨꯇꯦꯁꯟ ꯊꯣꯛꯂꯤꯕ ꯃꯐꯝꯁꯤ ꯙ-loop

ꯍꯥꯏꯅ ꯈꯪꯅꯔꯤꯕ ꯄ꯭ꯔꯣꯇꯤꯟ ꯑꯃꯠꯇ ꯀꯣꯗ ꯇꯧꯗꯕ, ꯇꯔꯤꯄꯂꯦ-ꯁꯇꯔꯥꯅꯗ ꯑꯣꯏꯕ ꯑꯇꯦꯟꯕ ꯐ꯭ꯔꯦꯒꯃꯦꯟꯠ
ꯑꯁꯤꯅꯤ꯫ ꯙ-loop ꯍꯥꯏꯔꯤꯕ ꯃꯐꯝ ꯑꯁꯤ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯄꯣꯂꯤꯃꯣꯔꯐꯤꯛ ꯑꯣꯏꯕ ꯍꯨꯃꯥꯅ ꯃꯇ ꯙꯟꯑ
ꯒꯤ ꯀꯟꯇ꯭ꯔꯣꯜ ꯔꯤꯖꯟꯅꯤ꯫ ꯍ꯭ꯌꯨꯃꯦꯟ ꯃꯥꯏꯒ꯭ꯔꯦꯁꯟ ꯊꯤꯕꯒꯤ ꯊꯕꯛ ꯑꯁꯤ ꯃꯇ ꯙꯟꯑ ꯗ ꯊꯣꯛꯂꯤꯕ/ꯐꯪꯂꯤꯕ
ꯍꯦꯄ꯭ꯂꯣꯇꯥꯏꯞ ꯈꯔ ꯑꯁꯤ ꯃꯤꯑꯣꯏꯕ ꯐꯨꯔꯨꯞꯅ ꯍꯣꯡ-ꯍꯣꯡꯗꯨꯅ ꯑꯅꯧ-ꯑꯅꯧꯕ ꯃꯐꯝꯁꯤꯡꯗ ꯈꯨꯟꯗꯥꯅꯈꯤꯕ
ꯃꯇꯝꯗ ꯃꯃꯥꯔꯣꯝꯗꯒꯤ ꯂꯥꯛꯄ ꯆꯥꯗꯥ-ꯅꯥꯎꯗꯥ (ꯃꯥꯇꯦꯔꯅꯥꯂ lineages) ꯃ꯭ꯌꯨꯇꯦꯁꯟ ꯊꯣꯛꯄꯅꯅꯤ ꯍꯥꯏꯕ
ꯑꯣꯕꯖꯥꯔꯚꯦꯁꯟ ꯑꯁꯤꯒꯤ ꯃꯈꯥ ꯄꯣꯟꯅꯅꯤ ꯑꯃꯁꯨꯡ ꯃ꯭ꯌꯨꯇꯦꯁꯟ ꯑꯁꯤꯅ ꯃꯔꯝ ꯑꯣꯏꯔꯒ ꯃꯇ ꯙꯟꯑ ꯒꯤ

D-loop region d lEb single nucleotide polymorphism (SNP) Asi sijiNnrg

ꯃꯦꯇꯔꯅꯦꯜ ꯑꯦꯟꯁꯦꯁꯇ꯭ꯔꯤ ꯈꯪꯗꯣꯛꯄ ꯉꯝꯃꯤ꯫ ꯃꯇ ꯙꯟꯑ sequence ꯀꯤ ꯃꯈꯥ ꯄꯣꯟꯅ ꯊꯤꯖꯤꯟꯕꯗ
ꯑꯐ꯭ꯔꯤꯀꯥꯔꯣꯝꯗꯒꯤ ꯍꯣꯡꯂꯛꯄꯒꯤ ꯃꯥꯏꯒ꯭ꯔꯦꯇꯔꯤ ꯔꯨꯠ ꯑꯅꯤ:- southern ꯃꯤꯒꯔꯥꯇꯣꯔꯌ route

AmsuZ northern migratory route Asi fxI>

ꯍꯦꯄ꯭ꯂꯣꯒ꯭ꯔꯨꯞ L0 ꯗꯒꯤ L6, ꯂꯣꯏꯅꯅ ꯑꯇꯣꯞꯄ L-series ꯀꯤ heplBogruBP ꯃꯌꯥꯝꯁꯤꯡꯗꯒꯤ
ꯈꯪꯕ ꯉꯝꯃꯤ ꯃꯗꯨꯗꯤ ꯏꯍꯥꯟ-ꯍꯥꯟꯕ ꯃꯥꯏꯒ꯭ꯔꯦꯁꯟ ꯑꯁꯤ ꯈꯥꯔꯣꯝ ꯊꯪꯕ ꯑꯐ꯭ꯔꯤꯀꯥꯗꯒꯤ ꯍꯧꯈꯤ꯫ southern

ꯃꯤꯒꯔꯥꯇꯣꯔꯌ route ꯑꯁꯤꯅ heplBogruBP ‘M’ ꯕꯨ ꯈꯪꯅꯩ꯫ ꯃꯁꯤꯒꯤ ꯀꯥꯡꯂꯨꯞ ꯑꯁꯤ ꯑꯔꯥꯕꯤꯌꯥꯟ
ꯄꯦꯅꯤꯟꯁꯨꯂꯥ ꯐꯥꯎꯗꯨꯅ ꯏꯊꯤꯌꯣꯄꯤꯌꯥꯗꯒꯤ ꯏꯟꯗꯤꯌꯥ ꯑꯃꯁꯨꯡ ꯅꯣꯡꯄꯣꯛ ꯊꯪꯕ ꯑꯦꯁꯤꯌꯥꯔꯣꯝꯗ ꯁꯟꯗꯣꯔꯛꯈꯤ꯫

M heplBogruBPtgi ꯍꯥꯏꯗꯣꯛꯈꯤꯕꯒꯁꯤꯡꯅ ꯃꯥꯏꯒ꯭ꯔꯦꯇꯔꯤ ꯔꯨꯠ ꯑꯁꯤꯗ ꯐꯪꯂꯤꯕ ꯃꯑꯣꯡ ꯑꯁꯤꯅ
ꯃꯥꯏꯒ꯭ꯔꯦꯁꯟ ꯑꯁꯤ ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯑꯦꯁꯤꯌꯥꯂꯣꯝꯗꯒꯤ ꯑꯃꯨꯛ ꯍꯜꯂꯛꯈꯤꯗꯦ ꯍꯥꯏꯕ ꯇꯥꯛꯏ ꯃꯔꯝꯗꯤ M

ꯖꯤꯅꯣꯇꯥꯏꯞꯀꯤ ꯗꯥꯏꯚꯔꯁꯤꯇꯤ ꯑꯁꯤ ꯏꯊꯤꯌꯣꯄꯤꯌꯥꯗꯒꯤ ꯏꯟꯗꯤꯌꯥꯗꯅ ꯍꯦꯟꯅ ꯌꯥꯝꯃꯤ꯫ ꯅꯣꯔꯗꯔꯟ
ꯃꯥꯏꯒ꯭ꯔꯦꯇꯔꯤ ꯔꯨꯠ ꯑꯁꯤ ꯃꯔꯨꯑꯣꯏꯕ ꯀ꯭ꯂꯁꯇꯔ ꯑꯍꯨꯝ ꯊꯣꯛꯅ ꯈꯥꯏꯗꯣꯛꯏ꯫ ꯑꯍꯥꯟꯕ ꯀ꯭ꯂꯁꯇꯔ ꯑꯁꯤꯗ
ꯌꯥꯎꯔꯤꯕ heplBogruBP W, ꯏ, N1ꯕ -ꯁꯤꯡ ꯌꯨꯔꯣꯞ, ꯃꯤꯗꯜ ꯏꯁꯠ, ꯀꯣꯀꯦꯓꯥ, ꯏꯖꯤꯞ ꯑꯃꯁꯨꯡ ꯑꯔꯥꯕꯤꯌꯥꯟ
ꯄꯦꯅꯤꯟꯁꯨꯂꯥꯗ ꯐꯪꯏ꯫ ꯑꯅꯤꯁꯨꯕ ꯀ꯭ꯂꯁꯇꯔ ꯑꯁꯤꯗ ꯌꯥꯎꯔꯤꯕ ‘ꯑ’ ꯑꯃꯁꯨꯡ ‘X’ ꯍꯦꯄ꯭ꯂꯣꯒ꯭ꯔꯨꯞ ꯑꯁꯤꯅ
ꯌꯨꯔꯣꯞ ꯑꯃꯁꯨꯡ ꯑꯦꯁꯤꯌꯥꯗ ꯃꯊꯪꯁꯤꯠꯅ ꯐꯪꯏ꯫ ꯑꯍꯨꯝꯁꯨꯕ ꯀ꯭ꯂꯁꯇꯔ ꯑꯁꯤꯗꯤ ꯁꯨꯔꯣꯟ (lineages) ꯃꯔꯤ
ꯊꯣꯛꯅ ꯈꯥꯏꯗꯣꯛꯏ꯫ ꯑꯍꯥꯟꯕ ꯁꯨꯔꯣꯟꯒꯤ ꯍꯦꯄ꯭ꯂꯣꯇꯥꯏꯕ ‘B’ ꯑꯁꯤ ꯖꯄꯥꯟ, ꯅꯣꯡꯄꯣꯛ ꯑꯦꯁꯤꯌꯥ ꯑꯃꯁꯨꯡ
ꯈꯥ ꯊꯪꯕ ꯄꯦꯁꯤꯐꯤꯛ ꯑꯔꯀꯤꯄꯦꯂꯥꯒꯣꯗ ꯐꯪꯏ꯫ ꯑꯅꯤꯁꯨꯕ ꯁꯨꯔꯣꯟꯅ ꯍꯦꯄ꯭ꯂꯣꯒ꯭ꯔꯨꯞ ‘ꯓ’ ꯑꯃꯁꯨꯡ ‘T’ ꯍꯥꯏꯅ
ꯆꯠꯈꯤ ꯑꯃꯁꯨꯡ ꯑꯍꯨꯝꯁꯨꯕ ꯁꯨꯔꯣꯟꯅ ꯍꯦꯄ꯭ꯂꯣꯒ꯭ꯔꯨꯞ ‘ꯊ’ ꯑꯃꯁꯨꯡ ‘V’ ꯑꯁꯤ ꯑꯣꯏꯈꯤ꯫ ꯃꯔꯤꯁꯨꯕ ꯁꯨꯔꯣꯟ
ꯑꯁꯤꯅ ‘ꯎ’ heplBogruBPpu ꯈꯪꯅꯩ ꯑꯃꯁꯨꯡ ꯃꯈꯥ ꯇꯥꯕ ꯁꯕ-ꯍꯦꯄ꯭ꯂꯣꯒꯔꯨꯞ ꯑꯣꯏꯔꯤꯕ - ꯎ2, ꯎ7 ꯑꯁꯤ
ꯏꯟꯗꯤꯌꯥꯗ ꯃꯁꯤꯡ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯌꯥꯝꯅ ꯐꯪꯏ; ꯎ3, ꯎ6 ꯅ ꯑꯋꯥꯡ-ꯊꯪꯕ ꯑꯐ꯭ꯔꯤꯀꯥꯗ ꯑꯗꯨꯒ ꯎ5 ꯅ ꯌꯨꯔꯣꯞꯇ
ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯃꯁꯤꯡ ꯌꯥꯝꯅ ꯐꯪꯏ꯫ ꯃꯄꯨꯡ ꯑꯣꯏꯕ ꯌꯨꯔꯣꯄꯤꯌꯥꯟꯒꯤ ꯁꯨꯔꯣꯟꯁꯤꯡꯅ ꯍꯦꯄ꯭ꯂꯣꯒ꯭ꯔꯨꯞ ꯎ5, ꯊ,
ꯏ, ꯓ, K, T, V, W ꯑꯃꯁꯨꯡ X ꯑꯣꯏ꯫ ꯑꯃꯦꯔꯤꯀꯥꯟ ꯍꯦꯄ꯭ꯂꯣꯒ꯭ꯔꯨꯞꯇꯅ ꯑ, B, C ꯑꯃꯁꯨꯡ ꯙ ꯁꯤꯡ
ꯑꯁꯤ ꯑꯣꯏ꯫ ꯈꯦꯟꯅꯕ ꯑꯏꯪ-ꯑꯁꯥꯗ ꯆꯨꯁꯤꯟꯅꯈꯤꯕꯒꯤ ꯃꯇ ꯙꯟꯑ ꯒꯤ ꯄꯔꯤꯡꯗ ꯑꯍꯣꯡꯕ ꯄꯨꯔꯛꯄꯅ
ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯃꯍꯥꯗꯦꯁ (ꯆꯣꯅꯇꯤꯅꯦꯅꯇ) ꯇ ꯂꯩꯕ ꯃꯤꯑꯣꯏꯁꯤꯡꯒꯤ ꯃꯇ ꯙꯟꯑ sequence ꯇ, ꯈꯨꯗꯝ
ꯑꯣꯏꯟ ꯑꯠꯞ6 (ꯑꯠꯞ synthase ꯃꯦꯃꯕꯔꯥꯅꯆꯦ ꯁꯨꯕꯨꯅꯤꯇ 6) ꯀꯤ ꯖꯤꯟꯁꯇ ꯈꯦꯟꯅꯕ ꯎꯕ ꯐꯪꯏ꯫

ꯖꯤꯟꯁ ꯑꯁꯤ ꯃꯥꯏꯇꯣꯀꯣꯟꯗ꯭ꯔꯤꯌꯥꯒꯤ ꯅꯣꯔꯃꯦꯜ ꯐꯪꯛꯁꯟ ꯇꯧꯕꯗ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯑꯠꯞ6 ꯖꯤꯟꯁ ꯑꯁꯤꯅ ꯀꯣꯗ
ꯇꯧꯔꯤꯕ ꯑꯠꯞ 6 protein ꯑꯁꯤꯅ ꯆꯥꯎꯔꯕ ꯑꯦꯟꯖꯥꯏꯝ ꯑꯞꯠ6 synthase ꯀꯤ ꯁꯔꯨꯛ ꯑꯃ ꯑꯣꯏ꯫

AeNjaIM Asi ‘Complex V’ haInsu SxnE AmsuZ oxidative phosphorylation regCyuleT

ꯇꯧꯕꯗ ꯁꯔꯨꯛ ꯌꯥꯏ꯫ ꯃꯇ ꯙꯟꯑ ꯒꯤ heploBtaIP ꯈꯦꯟꯅꯕ ꯂꯩꯕꯁꯤꯡꯗ ꯂꯥꯏꯅꯥ ꯀꯌꯥ ꯑꯣꯏꯔꯛꯄꯒꯤ
ꯃꯆꯥꯛꯁꯨ ꯑꯣꯏ꯫ ꯈꯨꯗꯝ ꯑꯣꯏꯅ Leary bodies ꯀ ꯂꯣꯏꯅꯅ Alzheimer ꯑꯃꯁꯨꯡ Dementia,

Cardiomyopathy ꯑꯃꯁꯨꯡ ꯃꯨꯂꯇꯤꯄꯂꯦ ꯁꯆꯂꯦꯔꯣꯁꯤꯁ ꯑꯁꯤꯅꯆꯤꯡꯕ ꯑꯁꯤꯃꯇ ꯙꯟꯑ ꯍꯦꯄ꯭ꯂꯣꯇꯥꯏꯞ
ꯈꯔꯒ ꯃꯔꯤ ꯂꯩꯅꯕ ꯊꯦꯡꯅꯩ꯫ ꯑꯁꯨꯝꯅ ꯃꯇ ꯙꯟꯑ ꯑꯁꯤ ꯃꯤꯑꯣꯏꯕ ꯐꯨꯔꯨꯞꯀꯤ ꯀꯥꯡꯂꯨꯞ (ꯔꯥꯆꯦ) ꯈꯔꯒ
ꯃꯔꯤ ꯂꯩꯅꯕ ꯂꯥꯏꯅꯥ, ꯐꯨꯔꯨꯞ ꯑꯁꯤꯒꯤ ꯍꯧꯔꯛꯐꯝ ꯄꯨꯋꯥꯔꯤ ꯑꯃꯁꯨꯡ ꯑꯣꯏꯔꯛꯈꯤꯕ ꯈꯦꯟꯅꯕꯁꯤꯡ ꯑꯁꯤ
ꯊꯤꯗꯣꯛꯅꯕ/ꯈꯪꯗꯣꯛꯅꯕ ꯍꯣꯠꯅꯕꯗ ꯌꯥꯝꯅ ꯈꯨꯗꯣꯡꯆꯥꯕ ꯇꯥꯔꯒꯦꯠ ꯑꯃꯅꯤ ꯍꯥꯏꯕꯗꯨ ꯇꯥꯛꯏ꯫
ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄ ꯑꯃꯁꯨꯡ ꯀꯔꯦꯟꯠ ꯆꯦꯟꯕ ꯉꯝꯕ ꯄ꯭ꯂꯥꯁꯇꯤꯛ
ꯂꯟꯅꯥꯏ ꯑꯣꯏꯅ ꯂꯝꯕꯤ ꯁꯦꯝꯖꯕꯗ ꯊꯤꯡꯖꯤꯜꯂꯛꯄ
ꯂꯩꯉꯥꯛꯅ ꯁꯦꯝꯕꯤꯗ꯭ꯔꯕꯗꯤ ꯂꯟꯅꯥꯏ ꯑꯣꯏꯅ ꯁꯦꯝꯖꯕꯗ ꯑꯊꯤꯡꯕ ꯄꯤꯐꯝ ꯊꯣꯛꯇꯦ
ꯃꯅꯤꯄꯨꯔꯒꯤ ꯃꯐꯝ ꯑꯌꯥꯝꯕꯗ ꯍꯧꯖꯤꯛ ꯑꯣꯏꯔꯤꯕ ꯂꯝꯕꯤ-ꯊꯣꯡꯒꯤ ꯐꯤꯚꯝ
ꯅꯤꯡꯕ ꯀꯥꯏꯅꯤꯡꯉꯥꯏꯅꯤ꯫ ꯂꯝꯕꯤ ꯑꯌꯥꯝꯕ ꯅꯣꯡꯖꯨ ꯄꯥꯟꯊꯥꯗ ꯏꯁꯤꯡ ꯊꯨꯝꯖꯤꯟꯕ
ꯅꯠꯇ꯭ꯔꯒ ꯂꯩꯈꯣꯝ-ꯂꯩꯅꯥꯡꯅ ꯃꯔꯝ ꯑꯣꯏꯔꯒ ꯆꯠꯊꯣꯛ-ꯆꯠꯁꯤꯟ ꯇꯧꯕꯗ
ꯈꯨꯗꯣꯡꯆꯥꯗꯦ꯫ ꯅꯤꯡꯊꯝ ꯊꯥꯗꯅ ꯎꯐꯨꯜ ꯍꯧꯕꯗꯒꯤ ꯃꯤꯠ-ꯃꯥꯏ ꯄꯥꯡꯗꯨꯅ ꯆꯠꯄ
ꯉꯝꯗꯦ꯫ ꯃꯔꯨ ꯑꯣꯏꯕ ꯁ꯭ꯇꯦꯠ ꯍꯥꯏꯋꯦꯁꯤꯡ ꯑꯃꯗꯤ ꯅꯦꯁꯅꯜ ꯍꯥꯏꯋꯦꯁꯤꯡꯁꯨ
ꯑꯗꯨ ꯃꯉꯥꯏ꯫ ꯏꯝꯐꯥꯜ-ꯖꯤꯔꯤꯕꯥꯝ ꯂꯝꯕꯤ ꯅꯠꯇ꯭ꯔꯒ ꯏꯝꯐꯥꯜ-ꯗꯤꯃꯥꯄꯨꯔ ꯂꯝꯕꯤꯗ
ꯊꯣꯡ ꯂꯥꯟꯕ ꯌꯥꯗ꯭ꯔꯦ ꯑꯃꯁꯨꯡ ꯂꯦꯟꯗꯁ꯭ꯂꯥꯏꯗ ꯇꯧꯕꯗꯒꯤ ꯂꯝꯕꯤ ꯐꯥꯎꯅꯕ ꯌꯥꯗ꯭ꯔꯦ ꯍꯥꯏꯕ ꯄꯥꯎ ꯇꯣꯏꯅ ꯇꯥꯕ ꯐꯪꯂꯤ꯫ ꯅꯦꯁꯅꯜ ꯍꯥꯏꯋꯦꯁꯤꯡ ꯅꯤꯡꯊꯤꯅ ꯁꯦꯝꯖꯤꯟꯕꯤꯌꯨ ꯍꯥꯏꯅ ꯊꯦꯡꯈꯥꯡ ꯀꯌꯥꯔꯛꯇ ꯃꯤꯌꯥꯝꯅ ꯑꯀꯟꯕ ꯈꯣꯡꯖꯪ ꯆꯪꯁꯤꯟꯈ꯭ꯔꯕꯁꯨ ꯂꯩꯉꯥꯛꯀꯤ ꯃꯔꯤ ꯂꯩꯅꯕ ꯑꯣꯊꯣꯔꯤꯇꯤ ꯃꯁꯦꯜ ꯑꯃꯅ ꯑꯃꯗ ꯃꯔꯥꯜ ꯊꯪꯖꯤꯟꯗꯨꯅ ꯂꯩꯕꯒꯤ ꯃꯑꯣꯡ ꯑꯃ ꯇꯣꯏꯅ ꯎꯕ ꯐꯪꯂꯤ꯫ ꯀꯔꯤꯒꯨꯝꯕ ꯃꯇꯝꯗ ꯇ꯭ꯔꯥꯟꯁꯄꯣꯔꯠꯔꯁꯤꯡꯒꯤ ꯑꯦꯁꯣꯁꯤꯑꯦꯁꯟ ꯑꯃꯗꯤ ꯂꯟꯅꯥꯏ ꯂꯨꯞ ꯀꯌꯥꯅ ꯑꯆꯪꯕ ꯁꯦꯟꯐꯝ ꯄꯨꯊꯣꯛꯂꯒ ꯍꯥꯏꯋꯦꯒꯤ ꯁꯔꯨꯛ ꯀꯌꯥ ꯁꯦꯝꯖꯤꯟꯈꯤꯕꯒꯤ ꯊꯧꯗꯣꯛ ꯃꯤꯌꯥꯝꯅ ꯏꯈꯪ-ꯈꯪꯅꯔꯕ
ꯋꯥꯐꯝꯅꯤ꯫ ꯃꯥꯂꯦꯝꯗ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯈꯣꯡꯖꯦꯜ ꯌꯥꯡꯅ ꯆꯥꯎꯈꯠꯂꯤꯕ ꯂꯩꯕꯥꯛꯁꯤꯡꯒꯤ
ꯃꯅꯨꯡꯗ ꯃꯔꯨ ꯑꯣꯏꯕ ꯂꯩꯕꯥꯛꯅꯤ ꯍꯥꯏꯅ ꯂꯧꯅꯔꯤꯕ ꯏꯟꯗꯤꯌꯥꯗ ꯑꯦꯗ꯭ꯌꯨꯀꯦꯁꯟ,
ꯐꯦꯁꯟ ꯑꯃꯁꯨꯡ ꯏꯟꯗꯁꯇ꯭ꯔꯤꯌꯦꯂꯥꯏꯖꯦꯁꯟꯅꯆꯤꯡꯕ ꯍꯤꯔꯝ ꯀꯌꯥꯗ ꯈꯨꯃꯥꯡ ꯆꯥꯎꯁꯤꯟꯕ ꯉꯝꯂꯦ ꯍꯥꯏꯖꯔꯒꯁꯨ ꯍꯤꯔꯝ ꯈꯔꯗ ꯑꯉꯛꯄ ꯐꯪꯅ ꯁꯣꯠꯊꯔꯤ ꯍꯥꯏꯕ
ꯌꯥꯏ꯫ ꯏꯟꯗꯤꯌꯥꯗ ꯂꯩꯔꯤꯕ ꯂꯝꯕꯤꯁꯤꯡꯒꯤ ꯑꯄꯨꯟꯕ ꯑꯁꯥꯡꯕ ꯀꯤꯂꯣꯃꯤꯇꯔ ꯂꯥꯈ
20 ꯂꯣꯝꯅꯤ꯫ ꯃꯁꯤꯒꯤ ꯃꯅꯨꯡꯗ ꯀꯤꯂꯣꯃꯤꯇꯔ ꯂꯥꯈ 10 ꯔꯣꯝ ꯁꯥꯡꯕ ꯂꯝꯕꯤꯒꯤ ꯁꯔꯨꯛ ꯑꯉꯛꯄ ꯐꯪꯅ ꯐꯤꯚꯝ ꯁꯣꯛꯂꯦ ꯍꯥꯏꯅ ꯔꯤꯄꯣꯔꯠ ꯑꯃꯅ ꯐꯣꯡꯗꯣꯛꯂꯤ꯫ ꯅꯦꯁꯅꯜ ꯍꯥꯏꯋꯦ 50 ꯂꯩꯕ ꯂꯩꯕꯥꯛ ꯑꯁꯤꯗ ꯇꯉꯥꯏꯐꯗꯅ ꯆꯪꯕ ꯄꯣꯠꯂꯝ ꯈꯨꯗꯤꯡꯃꯛ
ꯅꯦꯁꯅꯜ ꯍꯥꯏꯋꯦꯁꯤꯡꯗ ꯍꯣꯟꯗꯣꯛ-ꯍꯣꯟꯖꯤꯟ ꯇꯧꯔꯤꯕꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯅꯦꯁꯅꯜ ꯍꯥꯏꯋꯦꯁꯤꯡꯒꯤ ꯐꯤꯚꯝ ꯁꯣꯛꯆꯤꯜꯂꯛꯄꯅ ꯃꯔꯝ ꯑꯣꯏꯔꯒ ꯇꯉꯥꯏꯐꯗꯅ ꯆꯪꯕ
ꯄꯣꯠꯂꯝꯁꯤꯡ ꯍꯣꯟꯗꯣꯛ-ꯍꯣꯟꯖꯤꯟ ꯇꯧꯕꯗ ꯉꯥꯏꯍꯥꯛ ꯂꯩꯇꯅ ꯈꯨꯗꯣꯡꯆꯥꯗꯕ ꯃꯥꯌꯣꯛꯅꯕꯒꯤ ꯋꯥꯐꯝ ꯏꯈꯪ-ꯈꯪꯅꯔꯕꯅꯤ꯫

ꯅꯦꯁꯅꯜ ꯍꯥꯏꯋꯦ ꯑꯃꯁꯨꯡ ꯁ꯭ꯇꯦꯠ ꯍꯥꯏꯋꯦꯁꯤꯡꯒꯤ ꯋꯥꯐꯝꯗꯤ ꯊꯝꯕꯨ ꯊꯝꯈꯤꯁꯤ꯫

ꯃꯔꯨ ꯑꯣꯏꯕ ꯁꯤꯇꯤ ꯈꯔꯈꯛ ꯅꯠꯇꯅ ꯂꯩꯕꯥꯛꯀꯤ ꯃꯐꯝ ꯑꯌꯥꯝꯕꯗ ꯂꯝꯕꯤ-ꯊꯣꯡꯒꯤ ꯐꯤꯚꯝ ꯑꯉꯛꯄ ꯐꯪꯅ ꯁꯣꯛꯆꯤꯜꯂꯛꯂꯦ ꯍꯥꯏꯅꯔꯛꯂꯤꯕꯁꯤ ꯉꯁꯤ-ꯉꯔꯥꯡꯇꯒꯤ
ꯋꯥꯐꯝ ꯅꯠꯇꯦ꯫ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯑꯣꯏꯅꯁꯨ ꯑꯗꯨ ꯃꯉꯥꯏꯔꯦ꯫ ꯂꯩꯀꯥꯏ-ꯂꯩꯀꯥꯏꯒꯤ ꯂꯝꯕꯤ
ꯑꯃꯁꯨꯡ ꯏꯟꯇꯔ-ꯚꯤꯂꯦꯖ ꯔꯣꯗ (ꯑꯥꯏ ꯚꯤ ꯑꯥꯔ) ꯄꯨꯝꯅꯃꯛ ꯅꯤꯡꯕ ꯀꯥꯏꯅꯤꯡꯉꯥꯏ
ꯑꯣꯏꯕ ꯐꯤꯚꯝ ꯑꯃꯗ ꯂꯩꯔꯤ ꯍꯥꯏꯕ ꯌꯥꯏ꯫ ꯃꯗꯨꯅ ꯃꯔꯝ ꯑꯣꯏꯔꯒ ꯁ꯭ꯇꯦꯠ ꯑꯁꯤꯒꯤ
ꯇꯣꯉꯥꯅ-ꯇꯣꯉꯥꯟꯕ ꯃꯐꯝꯗ ꯂꯝꯕꯤ ꯁꯦꯝꯕꯤꯗꯕꯒꯤ ꯃꯥꯌꯣꯛꯇ ꯃꯤꯌꯥꯝꯅ ꯂꯝꯕꯤ
ꯊꯤꯡꯗꯨꯅ ꯈꯣꯡꯖꯪ ꯆꯪꯁꯤꯜꯂꯛꯄꯒꯤ ꯊꯧꯑꯣꯡ ꯊꯣꯏꯗꯣꯛꯅ ꯑꯅꯧꯕ ꯅꯠꯇ꯭ꯔꯦ꯫ ꯂꯝꯕꯤ
ꯁꯦꯝꯖꯤꯟꯕ ꯑꯃꯁꯨꯡ ꯂꯝꯕꯤꯒꯤ ꯐꯤꯚꯝ ꯑꯃꯥꯡ-ꯑꯇꯥ ꯊꯣꯛꯍꯟꯗꯅ ꯊꯝꯕꯒꯤ
ꯊꯧꯗꯥꯡ ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯒꯚꯔꯟꯃꯦꯟꯠ ꯑꯃꯁꯨꯡ ꯃꯔꯤ ꯂꯩꯅꯕ ꯁ꯭ꯇꯦꯠ ꯂꯩꯉꯥꯛꯅ
ꯂꯧꯗꯨꯅ ꯂꯥꯛꯂꯤ꯫ ꯅꯦꯁꯅꯜ ꯍꯥꯏꯋꯦ ꯄꯨꯝꯅꯃꯛ ꯃꯤꯅꯤꯁꯇ꯭ꯔꯤ ꯑꯣꯐ ꯁꯔꯐꯦꯁ
ꯇ꯭ꯔꯥꯟꯁꯄꯣꯔꯠꯅ ꯌꯦꯡꯁꯤꯟꯗꯨꯅ ꯂꯥꯛꯈꯤ꯫ ꯁ꯭ꯇꯦꯠ-ꯁ꯭ꯇꯦꯠꯀꯤ ꯑꯣꯏꯕ ꯂꯝꯕꯤ
ꯁꯦꯝꯖꯤꯟꯕ ꯑꯃꯁꯨꯡ ꯃꯦꯟꯇꯦꯅꯦꯟꯁ ꯇꯧꯕꯒꯤ ꯊꯧꯗꯥꯡꯅ ꯃꯔꯤ ꯂꯩꯅꯕ ꯁ꯭ꯇꯦꯠꯀꯤ
ꯄꯕ꯭ꯂꯤꯛ ꯋꯥꯔꯛꯁ ꯗꯤꯄꯥꯔꯠꯃꯦꯟꯠ (ꯄꯤ ꯗꯕ꯭ꯂꯤꯌꯨ ꯗꯤ)ꯅ ꯂꯧꯕꯅꯤ꯫ ꯆꯍꯤ ꯃꯉꯥꯒꯤ ꯑꯣꯏꯕ ꯊꯧꯔꯥꯡ ꯃꯈꯥꯗ ꯂꯩꯕꯥꯛꯀꯤ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯂꯝꯕꯤꯁꯤꯡ ꯁꯦꯝꯖꯤꯟꯅꯕ
ꯂꯨꯄꯥ ꯀ꯭ꯔꯣꯔ 30,000 ꯔꯣꯝ ꯀꯥꯏꯊꯈ꯭ꯔꯦ ꯍꯥꯏꯅ ꯌꯨꯅꯤꯌꯟ ꯃꯤꯅꯤꯁꯇ꯭ꯔꯤ ꯑꯣꯐ ꯔꯣꯗ
ꯇ꯭ꯔꯥꯟꯁꯄꯣꯔꯠ ꯑꯦꯟꯗ ꯍꯥꯏꯋꯦꯖꯒꯤ ꯔꯤꯄꯣꯔꯠ ꯑꯃꯅ ꯐꯣꯡꯗꯣꯛꯂꯤ꯫ ꯑꯗꯨꯕꯨ
ꯂꯝꯕꯤꯒꯤ ꯐꯤꯚꯝ ꯃꯄꯨꯡ ꯐꯥꯅ ꯐꯒꯠꯍꯟꯕ ꯉꯝꯗ꯭ꯔꯤ ꯍꯥꯏꯅ ꯂꯧꯕꯗ ꯂꯥꯟꯒꯗꯕ
ꯃꯥꯟꯗ꯭ꯔꯦ꯫ ꯍꯧꯖꯤꯛ ꯈꯟꯅꯤꯡꯉꯥꯏ ꯑꯣꯏꯔꯤꯕ ꯋꯥꯐꯝꯗꯤ ꯃꯇꯝ ꯁꯥꯡꯅ ꯂꯩꯉꯥꯛꯅ
ꯃꯤꯠꯌꯦꯡ ꯆꯪꯕꯤꯔꯛꯇ꯭ꯔꯕ ꯌꯥꯏꯁ꯭ꯀꯨꯜ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ ꯀꯟꯁ꯭ꯇꯤꯇ꯭ꯌꯨꯑꯦꯟꯁꯤꯒꯤ
ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯃꯐꯝꯗ ꯂꯟꯅꯥꯏ ꯑꯣꯏꯅ ꯂꯝꯕꯤ ꯁꯦꯝꯖꯤꯟꯕꯒꯤ ꯊꯕꯛ
ꯄꯥꯏꯈꯠꯄꯗ ꯂꯩꯉꯥꯛꯅ ꯑꯊꯤꯡꯕ ꯄꯤꯔꯦ ꯍꯥꯏꯕꯒꯤ ꯃꯇꯥꯡꯗꯅꯤ꯫ ꯂꯟꯅꯥꯏ ꯑꯣꯏꯅ
ꯂꯝꯕꯤ ꯁꯦꯝꯗꯨꯅ ꯃꯤꯌꯥꯝꯒꯤ ꯑꯋꯥꯕ ꯀꯣꯛꯍꯟꯅꯕꯒꯤ ꯊꯧꯗꯥꯡ ꯂꯧꯔꯤꯕ ꯄ꯭ꯔꯥꯏꯚꯦꯠ
ꯀꯟꯁ꯭ꯇ꯭ꯔꯛꯁꯟ ꯀꯝꯄꯅꯤ ꯑꯃꯒꯤ ꯃꯄꯨꯗ ꯕꯤ ꯗꯕ꯭ꯂꯤꯌꯨ ꯗꯤ ꯏꯝꯐꯥꯜ ꯏꯁꯠ
ꯗꯤꯚꯤꯖꯟꯅ ꯑꯏꯕ ꯆꯦꯔꯣꯜ ꯑꯃ ꯊꯥꯔꯒ ꯈꯨꯗꯛꯇ ꯂꯝꯕꯤ ꯁꯦꯝꯕ ꯂꯦꯞꯅꯕ ꯈꯪꯍꯟꯈꯤꯕꯅꯤ꯫ ꯂꯩꯉꯥꯛꯅ ꯍꯟꯅ ꯐꯥꯎꯕ ꯌꯦꯡꯁꯤꯟꯕꯤꯗ꯭ꯔꯕ ꯂꯝꯕꯤ ꯁꯦꯝꯖꯤꯟꯒꯅꯤ
ꯍꯥꯏꯅ ꯆꯣꯡꯊꯣꯔꯛꯈꯤꯕ ꯄ꯭ꯔꯥꯏꯚꯦꯠ ꯀꯟꯁ꯭ꯇ꯭ꯔꯛꯁꯟ ꯀꯝꯄꯅꯤꯗ ꯄꯤ ꯗꯕ꯭ꯂꯤꯌꯨ
ꯗꯤꯅ ꯑꯊꯤꯡꯕ ꯄꯤꯈꯤꯕꯒꯤ ꯊꯧꯑꯣꯡ ꯑꯗꯨ ꯌꯥꯏꯁ꯭ꯀꯨꯜ ꯑꯦ ꯁꯤꯒꯤ ꯃꯤꯌꯥꯝꯅ ꯄꯦꯟꯅꯗꯕꯒꯤ ꯃꯑꯣꯡ ꯑꯃ ꯎꯕ ꯐꯪꯂꯤ꯫ ꯃꯥꯂꯦꯝꯒꯤ ꯃꯐꯝ ꯄꯨꯝꯅꯃꯛꯇ ꯀꯣꯚꯤꯗ-

19ꯒꯤ ꯂꯥꯏꯆꯠ ꯁꯟꯗꯣꯔꯛꯄꯅ ꯃꯔꯝ ꯑꯣꯏꯔꯒ ꯁꯦꯟꯃꯤꯠꯂꯣꯟꯗ ꯆꯥꯎꯅ ꯑꯀꯥꯏꯕ
ꯄꯤꯔꯛꯂꯦ ꯍꯥꯏꯕꯁꯤ ꯄꯨꯝꯅꯃꯛꯅ ꯈꯪꯅꯔꯕ ꯋꯥꯐꯝꯅꯤ꯫ ꯂꯩꯉꯥꯛꯀꯤ ꯑꯣꯏꯅꯁꯨ
ꯁꯦꯜ-ꯊꯨꯝꯒꯤ ꯈꯨꯗꯣꯡꯆꯥꯗꯕ ꯃꯥꯌꯣꯛꯅꯕꯗꯒꯤ ꯃꯇꯝ ꯆꯥꯅ ꯂꯝꯕꯤ ꯁꯦꯝꯖꯤꯟꯕ
ꯉꯝꯗꯕ ꯑꯣꯏꯔꯝꯕꯁꯨ ꯌꯥꯏ꯫ ꯑꯗꯨꯕꯨ ꯀꯅꯥꯒꯨꯝꯕ ꯄꯨꯛꯆꯦꯜ ꯆꯥꯎꯕ ꯃꯤꯑꯣꯏ ꯑꯃꯅ
ꯃꯤꯌꯥꯝꯒꯤ ꯃꯇꯦꯡ ꯄꯥꯡꯖꯒꯦ ꯑꯃꯁꯨꯡ ꯂꯟꯅꯥꯏ ꯑꯣꯏꯅ ꯂꯝꯕꯤ ꯁꯦꯝꯖꯒꯦ ꯍꯥꯏꯅ
ꯆꯣꯡꯊꯣꯔꯛꯄꯗ ꯑꯊꯤꯡꯕ ꯄꯤꯐꯝ ꯊꯣꯛꯇꯦ꯫

ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡ ꯑꯝꯗꯤ
ꯄꯦꯟꯁꯅꯔꯁꯤꯡꯒꯤ ꯁ꯭ꯇ꯭ꯔꯥꯏꯛ
ꯑꯦꯗꯤꯇꯔꯗ ꯊꯥꯔꯛꯄ ꯆꯤꯊꯤ...

ꯏꯀꯥꯏ ꯈꯨꯝꯅꯖꯔꯤꯕ ꯑꯦꯗꯤꯇꯔ,
ꯁ꯭ꯇꯦꯠꯁꯤꯒꯤ ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡꯒꯤ ꯇꯣꯂꯣꯞ ꯑꯁꯤ ꯁ꯭ꯇꯦꯠꯀꯤ ꯑꯣꯏꯕ ꯇꯣꯂꯣꯞ
ꯄꯤꯔꯝꯃꯤ꯫ ꯂꯩꯈꯤꯗ꯭ꯔꯕ ꯆꯤꯐ ꯃꯤꯅꯤꯁꯇꯔ ꯑꯥꯔ ꯀꯦ ꯖꯌꯆꯟꯗ꯭ꯔꯒꯤ ꯃꯇꯝꯗ ꯑꯍꯥꯟꯕ
ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯄꯦ (ꯔꯤꯀꯣꯃꯦꯟꯗꯦꯠ ꯕꯥꯏ ꯐꯣꯔ ꯄꯦ ꯀꯝꯃꯤꯁꯟ) ꯄꯤꯕ ꯍꯧꯈꯤꯕꯅꯤ꯫ ꯃꯇꯝ
ꯑꯗꯨꯗ ꯆꯤꯐ ꯃꯤꯅꯤꯁꯇꯔ ꯖꯌꯆꯟꯗ꯭ꯔꯅ ꯇꯣꯂꯣꯞ ꯑꯆꯧꯕ ꯄꯥꯝꯂꯕꯗꯤ ꯃꯤꯖꯣꯔꯥꯝꯒꯤ
ꯇꯣꯂꯣꯞ ꯄꯤꯒꯦ ꯍꯥꯏꯈꯤꯔꯝꯃꯤ, ꯃꯗꯨꯗ ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡꯒꯤ ꯑꯆꯧꯕ ꯕꯣꯗꯤ ꯖꯦ
ꯑꯦ ꯁꯤꯅ ꯌꯥꯗꯕ, ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯄꯦ-ꯏꯟ-ꯇꯣ-ꯇꯣ ꯄꯤꯒꯗꯕꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯈꯥꯡꯕꯗꯒꯤ ꯑꯍꯥꯟꯕ ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯄꯦ ꯐꯪꯕ ꯍꯧꯈꯤꯕꯅꯤ꯫ ꯂꯩꯈꯤꯗ꯭ꯔꯕ ꯗꯕ꯭ꯂꯤꯌꯨ ꯅꯤꯄꯥꯃꯆꯥꯟꯅ
ꯆꯤꯐ ꯃꯤꯅꯤꯁꯇꯔ ꯑꯣꯏꯕ, ꯁ꯭ꯇꯦꯠꯀꯤ ꯑꯣꯚꯔ ꯗ꯭ꯔꯥꯐ ꯇꯥꯕ, ꯈꯨꯃꯟ ꯂꯝꯄꯥꯛꯇ
ꯃꯉꯥꯁꯨꯕ ꯅꯦꯁꯅꯜ ꯒꯦꯝꯁ ꯑꯍꯥꯟꯕ ꯄꯥꯡꯊꯣꯛꯄ ꯃꯇꯝꯗ ꯐꯤꯐꯠ ꯄꯦ ꯔꯤꯚꯤꯖꯟ ꯐꯪꯕꯒ ꯂꯣꯏꯅꯅ ꯊꯥ 27ꯀꯤ ꯅꯦꯁꯅꯜꯂꯤ ꯑꯣꯔꯗꯔ ꯊꯣꯛꯄꯗ ꯀꯛꯍꯟꯗꯨꯅ, 12ꯁꯨꯕ
ꯐꯥꯏꯅꯥꯟꯁ ꯀꯝꯃꯤꯁꯟꯒꯤ ꯁꯦꯟꯐꯝ ꯂꯥꯛꯂꯒ ꯄꯤꯕ, ꯑꯦꯔꯤꯌꯥꯔꯅ ꯖꯤ ꯄꯤꯗ ꯐ꯭ꯔꯣꯖꯟ
ꯇꯧꯕ ꯍꯥꯏꯅ ꯖꯦ ꯑꯦ ꯁꯤꯒ ꯌꯥꯅꯗꯨꯅ ꯐꯤꯐꯠ ꯄꯦ ꯔꯤꯚꯤꯖꯟ ꯐꯪꯈꯤꯕꯅꯤ꯫ ꯁꯦꯟꯇ꯭ꯔꯦꯜ
ꯄꯦ ꯄꯤꯕ ꯍꯧꯔꯛꯄꯗꯒꯤ ꯑꯦꯅꯣꯃꯦꯜꯂꯤ ꯂꯩꯍꯜꯂꯤꯕꯁꯤ ꯃꯤꯅꯤꯁꯇꯔ, ꯑꯦꯝ ꯑꯦꯜ
ꯑꯦꯁꯤꯡꯅ ꯂꯩꯍꯟꯕ ꯃꯥꯟꯗꯦ, ꯄꯤ ꯑꯥꯏ ꯁꯤꯅ ꯂꯩꯍꯟꯕ ꯑꯣꯏꯔꯝꯒꯗꯕ ꯃꯥꯜꯂꯤ, ꯑꯩꯒꯤ
ꯋꯥꯈꯜꯗ꯫ ꯑꯗꯨꯕꯨ ꯑꯣꯏꯔꯝꯗꯕꯁꯨ ꯌꯥꯏ꯫ ꯍꯧꯖꯤꯛ-ꯍꯧꯖꯤꯛ ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡ ꯑꯃꯗꯤ ꯄꯦꯟꯁꯅꯔꯁꯤꯡꯅ ꯁꯦꯚꯦꯟꯠ ꯄꯦ ꯔꯤꯚꯤꯖꯟꯒꯤ ꯈꯣꯡꯖꯪ ꯆꯪꯁꯤꯜꯂꯤ꯫ ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡ
ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯄꯦ ꯄꯤꯕ ꯍꯧꯈ꯭ꯔꯕꯅꯤ, ꯔꯤꯚꯤꯖꯟ ꯈꯨꯗꯤꯡꯒꯤ ꯐꯪꯐꯝ ꯊꯣꯛꯄꯅꯤ, ꯄꯤꯐꯝ
ꯊꯣꯛꯄꯅꯤ, ꯁ꯭ꯇ꯭ꯔꯥꯏ ꯇꯧꯗ꯭ꯔꯕꯁꯨ꯫ ꯄꯤꯕꯤꯌꯨ ꯍꯥꯏꯐꯝ ꯊꯣꯛꯇꯦ꯫ ꯀꯔꯝꯃꯆꯥꯔꯤ ꯃꯈꯜ
ꯑꯅꯤ, ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯀꯔꯝꯃꯆꯥꯔꯤ ꯑꯃꯗꯤ ꯁ꯭ꯇꯦꯠ ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡ ꯂꯩꯔꯤꯕ ꯑꯁꯤꯗ
ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡꯅ ꯐꯪꯂꯒ ꯁ꯭ꯇꯦꯠꯀꯤ ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡ ꯐꯪꯗꯕ
ꯍꯥꯏꯕꯁꯤ ꯍꯤꯡꯕꯗ ꯈꯦꯟꯅꯅ ꯂꯩꯒꯗꯕꯅꯤ ꯍꯥꯏꯕꯒ ꯆꯞ ꯃꯥꯟꯅꯩ꯫ ꯃꯁꯤ ꯁꯦꯝꯕꯤꯕ
ꯃꯄꯨꯅ ꯌꯥꯔꯣꯏꯗꯕ ꯊꯕꯛꯅꯤ꯫

ꯑꯔꯣꯏꯕꯗ, ꯂꯩꯈꯤꯗ꯭ꯔꯕ ꯏꯟꯗꯤꯌꯥꯒꯤ ꯄ꯭ꯔꯥꯏꯝ ꯃꯤꯅꯤꯁꯇꯔ ꯔꯖꯤꯕ ꯒꯥꯟꯙꯤꯒ,
ꯂꯩꯈꯤꯗ꯭ꯔꯕ ꯆꯤꯐ ꯃꯤꯅꯤꯁꯇꯔ ꯑꯥꯔ ꯀꯦ ꯖꯌꯆꯟꯗ꯭ꯔꯒ ꯃꯥꯟꯅ ꯌꯥꯅꯕ, ꯄꯥꯔꯇꯤꯁꯨ ꯃꯥꯟꯅꯕ ꯃꯇꯝꯗ ꯑꯍꯥꯟꯕ ꯁꯦꯟꯇ꯭ꯔꯦꯜ ꯄꯦ ꯐꯪꯕ ꯍꯧꯈꯤꯕꯅꯤ꯫ ꯍꯧꯖꯤꯛ-ꯍꯧꯖꯤꯛ
ꯏꯟꯗꯤꯌꯥꯒꯤ ꯄ꯭ꯔꯥꯏꯝ ꯃꯤꯅꯤꯁꯇꯔ ꯑꯣꯏꯔꯤꯕ ꯅꯔꯦꯟꯗ꯭ꯔ ꯃꯣꯗꯤꯒ, ꯆꯤꯐ ꯃꯤꯅꯤꯁꯇꯔ
ꯑꯦꯟ brieNg ꯌꯥꯝꯅ ꯃꯥꯟꯅꯩ꯫ ꯄꯥꯔꯇꯤꯁꯨ ꯃꯥꯟꯅꯩ ꯍꯥꯏꯅ ꯁꯣꯁꯜ ꯃꯤꯗꯤꯌꯥꯒꯤ ꯊꯣꯡꯗꯒꯤ ꯈꯪꯖꯕꯗꯒꯤ, ꯖꯌꯆꯟꯗ꯭ꯔꯅ ꯉꯝꯂꯒ ꯕꯤꯔꯦꯟꯅꯁꯨ ꯈꯣꯡꯖꯪ ꯆꯪꯁꯤꯜꯍꯟꯗꯅ
ꯁꯦꯚꯦꯟꯠ ꯄꯦ ꯔꯤꯚꯤꯖꯟ ꯏꯟ-ꯇꯣ-ꯇꯣꯗ ꯄꯤꯐꯝ ꯊꯣꯛꯏ꯫ ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡ ꯑꯃꯗꯤ
ꯄꯦꯟꯁꯅꯔꯁꯤꯡꯅ ꯐꯪꯕ ꯍꯥꯏꯕꯁꯤ ꯃꯤꯌꯥꯝꯅ ꯐꯪꯕꯒ ꯆꯞ ꯃꯥꯟꯅꯩ, ꯃꯁꯤ ꯁꯔꯀ꯭ꯌꯨꯂꯦꯁꯟ
ꯇꯧꯕꯅꯏꯤ꯫ ꯍꯧꯖꯤꯛ-ꯍꯧꯖꯤꯛ ꯁ꯭ꯇꯦꯠꯁꯤꯒꯤ ꯃꯤꯌꯥꯝ ꯍꯥꯏꯅꯤꯡꯉꯥꯏ ꯂꯩꯇꯅ ꯃꯤꯄꯥꯏꯅꯔꯤ
ꯁꯤꯒꯗ꯭ꯔꯥ-ꯆꯪꯒꯗ꯭ꯔꯥ ꯍꯥꯏꯅ꯫ ꯀꯣꯚꯤꯗ-19 ꯂꯥꯏꯅꯥ ꯂꯥꯏꯆꯠꯁꯤ ꯀꯔꯝꯃꯆꯥꯔꯤ
ꯈꯨꯗꯤꯡꯃꯛꯇꯅ ꯈꯪꯗꯕ ꯅꯠꯇꯦ꯫ ꯀꯔꯝꯃꯆꯥꯔꯤꯁꯤꯡꯅ ꯑꯃꯗꯤ ꯄꯦꯟꯁꯅꯔꯁꯤꯡꯅ
ꯁꯦꯚꯦꯟꯠ ꯄꯦ ꯄꯤꯅꯕ ꯇꯥꯜꯂꯤꯕ ꯑꯁꯤ ꯇꯥꯟꯐꯝ ꯊꯣꯛꯇꯦ, ꯃꯁꯥꯅ ꯄꯤꯐꯝ ꯊꯣꯛꯄꯅꯤ꯫

ꯑꯗꯣꯝꯒꯤ-ꯊꯤꯡꯕꯥꯏꯖꯝ ꯏꯇꯣꯕꯤ
ꯇꯣꯞ ꯑꯋꯥꯡ ꯂꯩꯀꯥꯏ, ꯏꯝꯐꯥꯜ ꯏꯁꯠ
ꯁꯥꯏꯟꯁꯀꯤ ꯈꯣꯡꯆꯠ
ꯀꯨꯟꯖꯣ ꯅꯥꯎꯔꯦꯝ
ꯆꯥꯡꯖꯤꯑꯣꯡ ꯖꯤꯑꯣꯡꯅ ꯀꯣꯟꯊꯣꯛ-ꯀꯣꯟꯁꯤꯟ ꯌꯥꯕ ꯁꯣꯂꯔ ꯁꯦꯜꯁꯤꯡ
ꯌꯥꯎꯔꯕ ꯄ꯭ꯂꯥꯁꯇꯤꯛꯇ ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄ ꯉꯝꯕꯒꯤ ꯆꯥꯡ ꯌꯦꯡꯕ
ꯖꯌ ꯒꯨꯑꯣꯅ ꯃꯉꯥꯜꯅ ꯐꯥꯎꯗꯨꯅ ꯆꯠꯄ ꯉꯝꯕ ꯁꯣꯂꯔ ꯁꯦꯜꯁꯤꯡ ꯌꯥꯎꯔꯕ ꯄ꯭ꯂꯥꯁꯇꯤꯛ ꯃꯆꯦꯠ
ꯑꯃ ꯌꯨ-ꯑꯦꯝꯒꯤ ꯀꯣꯂꯦꯖ ꯑꯣꯐ ꯑꯦꯟꯖꯤꯅꯤꯌꯔꯤꯡ ꯅꯣꯔꯊ ꯀꯦꯝꯄꯁꯇ ꯄꯥꯏꯗꯨꯅ ꯊꯝꯕ
ꯗꯣ. ꯂꯩꯃꯄꯣꯛꯄꯝ ꯇꯤꯀꯦꯟꯗ꯭ꯔ