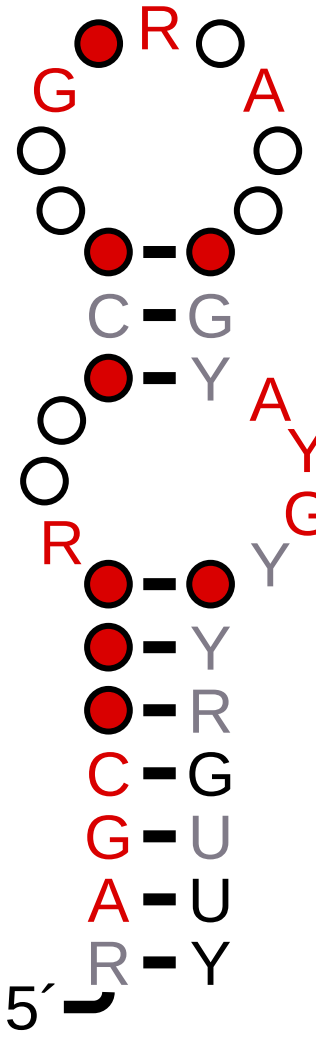domain-V