| | DNA[1] | | | | RNA[1] | | | | |
|--------------------------------|-----------------------|-----------------------------|-----------------------|-----------------------|----------------------|-----------------------------|---------------------|--------------|--------------------------------------|
| Virus | Adenovirus[70] | Herpes simplex virus[71-73] | Parvovirus H1[2] | Vaccinia virus[74] | Measles virus[13] | Newcastle disease virus[75] | Maraba virus[76] | Reovirus[77] | Vesicular stomatitis virus[78] |
| Genome size and diameter | 35 kb 90–100 nm | 154 kb | 5 kb | 190 kb 70–100 nm | 16 kb | 15 kb | 11 kb | 23 kb | 11 kb |
| Capsid symmetry | Icosahedral | Icosahedral | Icosahedral | Complex | Icosahedral | Helical | Helical | Icosahedral | Helical |
| Envelope | Naked | Enveloped | Naked | Complex coats | Enveloped | Enveloped | Enveloped | Naked | Enveloped |
| Site of replication | Nucleus and cytoplasm | Nucleus and cytoplasm | Nucleus and cytoplasm | Cytoplasm | Cytoplasm | Cytoplasm | Cytoplasm | Cytoplasm | Cytoplasm |
| Transgene capacity | ~ | ~ | N/A | ~ | ~ | ~ | ~ | N/A | ✓ |
| Entry receptor | CAR | HVEM, nectin-1, nectin-2 | Sialic acid residues | Unknown | SLAM and CD46 | Unknown | LDLR[79,80] | Unknown | LDLR |