

Comparison of gene knockdown strategies

| <u>Property</u> | <u>Morpholinos</u> | <u>siRNA</u> | <u>PNA</u> | <u>S-DNA</u> |
|-----------------------|--------------------|--------------|------------|--------------|
| Water solubility | ++++ | ++++ | + | ++++ |
| Sequence specificity | ++++ | ++ | +++ | ++ |
| Non-antisense effects | ++++ | +++ | ++++ | + |
| Non-toxic | ++++ | ++++ | ++++ | + |
| Stability | ++++ | ++ | ++++ | + |
| Long-term activity | ++++ | ? | ++++ | + |
| Efficacy | ++++ | +++ | ++++ | ++ |
| Predictable targeting | ++++ | ++ | ++++ | + |