**Table S6.** Expression (RPM) of novel miRNAs of *X. sorbifolium*.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **miRNA** | **Expression (RPM)** | | | | **miRNA** | **Expression (RPM)** | | | | **miRNA** | **Expression (RPM)** | | | |
| **Fa** | **Fb** | **Ma** | **Mb** | **Fa** | **Fb** | **Ma** | **Mb** | **Fa** | **Fb** | **Ma** | **Mb** |
| novel-m0001-5p | 0.00 | 1.27 | 0.72 | 0.62 | novel-m0121-5p | 0.00 | 0.47 | 1.58 | 0.00 | novel-m0250-5p | 1.28 | 0.00 | 0.00 | 0.00 |
| novel-m0002-5p | 0.61 | 0.00 | 0.87 | 0.62 | novel-m0122-3p | 0.00 | 0.00 | 0.72 | 0.50 | novel-m0253-5p | 0.00 | 0.00 | 2.40 | 0.00 |
| novel-m0003-5p | 0.00 | 0.00 | 0.67 | 1.25 | novel-m0122-5p | 0.00 | 1.77 | 2.15 | 0.50 | novel-m0255-5p | 1.28 | 1.27 | 1.44 | 0.00 |
| novel-m0005-5p | 0.00 | 0.00 | 0.87 | 1.12 | novel-m0123-5p | 0.00 | 0.00 | 0.72 | 1.74 | novel-m0256-5p | 1.22 | 1.12 | 0.00 | 0.00 |
| novel-m0009-5p | 1.28 | 0.00 | 0.00 | 1.74 | novel-m0127-5p | 1.22 | 0.00 | 0.87 | 0.62 | novel-m0257-5p | 1.82 | 2.36 | 0.87 | 0.00 |
| novel-m0014-5p | 0.61 | 0.47 | 0.72 | 0.00 | novel-m0129-5p | 1.28 | 0.00 | 0.87 | 0.00 | novel-m0258-5p | 0.00 | 0.00 | 1.44 | 1.87 |
| novel-m0015-5p | 0.00 | 1.89 | 0.00 | 2.49 | novel-m0130-5p | 2.56 | 1.09 | 2.82 | 0.50 | novel-m0260-5p | 0.00 | 0.00 | 2.20 | 1.00 |
| novel-m0016-3p | 0.00 | 0.00 | 1.33 | 0.00 | novel-m0132-5p | 0.67 | 0.62 | 0.00 | 0.62 | novel-m0261-5p | 0.00 | 1.27 | 0.00 | 1.12 |
| novel-m0016-5p | 0.00 | 1.29 | 0.00 | 2.24 | novel-m0133-5p | 1.28 | 0.62 | 2.05 | 0.50 | novel-m0262-5p | 0.67 | 0.47 | 1.73 | 0.00 |
| novel-m0017-5p | 0.00 | 0.47 | 1.33 | 0.00 | novel-m0139-5p | 0.61 | 0.00 | 0.67 | 1.00 | novel-m0263-5p | 1.89 | 0.00 | 0.87 | 1.25 |
| novel-m0019-5p | 0.00 | 0.62 | 1.58 | 0.00 | novel-m0140-3p | 0.61 | 0.00 | 0.00 | 1.00 | novel-m0264-5p | 0.61 | 0.00 | 0.00 | 1.12 |
| novel-m0021-5p | 0.00 | 0.62 | 1.44 | 0.00 | novel-m0140-5p | 0.00 | 0.00 | 0.87 | 0.50 | novel-m0265-5p | 2.43 | 1.91 | 0.00 | 0.00 |
| novel-m0023-5p | 0.00 | 0.95 | 0.87 | 0.00 | novel-m0146-5p | 1.28 | 1.74 | 0.72 | 1.74 | novel-m0266-3p | 0.00 | 0.00 | 0.00 | 1.00 |
| novel-m0027-5p | 1.28 | 0.00 | 0.67 | 0.00 | novel-m0149-5p | 0.00 | 1.24 | 0.00 | 1.00 | novel-m0266-5p | 0.67 | 0.00 | 0.67 | 0.62 |
| novel-m0028-5p | 0.00 | 0.65 | 0.00 | 1.12 | novel-m0152-5p | 1.22 | 1.12 | 0.00 | 1.25 | novel-m0267-3p | 9.44 | 13.08 | 9.58 | 7.85 |
| novel-m0029-5p | 0.61 | 1.59 | 0.87 | 1.12 | novel-m0154-5p | 0.00 | 2.53 | 0.00 | 0.62 | novel-m0267-5p | 0.00 | 1.24 | 0.00 | 0.00 |
| novel-m0031-5p | 0.00 | 1.42 | 0.00 | 0.62 | novel-m0155-5p | 0.61 | 0.47 | 0.00 | 0.62 | novel-m0268-5p | 0.00 | 0.00 | 2.60 | 0.00 |
| novel-m0033-5p | 0.61 | 0.65 | 0.00 | 1.00 | novel-m0156-5p | 0.61 | 0.00 | 0.87 | 1.00 | novel-m0271-3p | 1.82 | 0.62 | 0.72 | 1.25 |
| novel-m0034-5p | 0.00 | 0.00 | 0.00 | 1.49 | novel-m0158-5p | 0.00 | 0.47 | 1.58 | 1.00 | novel-m0271-5p | 119.95 | 164.60 | 48.16 | 194.99 |
| novel-m0037-5p | 0.00 | 1.94 | 0.00 | 0.00 | novel-m0159-5p | 1.82 | 0.00 | 0.00 | 0.00 | novel-m0272-5p | 1.89 | 1.09 | 0.67 | 2.37 |
| novel-m0038-5p | 1.28 | 1.12 | 0.00 | 0.00 | novel-m0160-5p | 0.00 | 0.00 | 2.00 | 0.00 | novel-m0275-5p | 1.28 | 0.95 | 0.00 | 0.50 |
| novel-m0039-5p | 1.89 | 0.00 | 0.72 | 0.00 | novel-m0163-5p | 1.34 | 0.00 | 0.67 | 0.00 | novel-m0276-5p | 0.00 | 0.00 | 0.67 | 1.12 |
| novel-m0041-5p | 0.00 | 1.86 | 0.00 | 0.00 | novel-m0165-5p | 1.89 | 1.27 | 1.38 | 1.00 | novel-m0277-5p | 0.67 | 1.12 | 0.00 | 7.23 |
| novel-m0042-5p | 0.67 | 0.65 | 0.00 | 0.62 | novel-m0166-5p | 0.00 | 0.95 | 0.00 | 1.00 | novel-m0280-5p | 0.00 | 0.00 | 1.33 | 1.12 |
| novel-m0046-5p | 1.22 | 0.00 | 0.00 | 1.87 | novel-m0167-3p | 0.00 | 0.00 | 0.00 | 1.25 | novel-m0281-5p | 0.61 | 0.65 | 0.00 | 0.50 |
| novel-m0048-3p | 0.61 | 0.00 | 0.00 | 2.24 | novel-m0167-5p | 0.00 | 1.24 | 0.72 | 1.00 | novel-m0282-5p | 0.00 | 0.00 | 3.47 | 0.50 |
| novel-m0048-5p | 1.28 | 0.00 | 0.00 | 0.50 | novel-m0169-5p | 1.82 | 4.32 | 4.26 | 2.49 | novel-m0284-5p | 0.00 | 1.09 | 0.72 | 0.00 |
| novel-m0049-5p | 0.67 | 0.62 | 0.00 | 0.62 | novel-m0170-5p | 0.00 | 0.00 | 0.87 | 1.12 | novel-m0285-5p | 319.79 | 207.95 | 242.08 | 193.63 |
| novel-m0051-5p | 0.67 | 1.24 | 0.00 | 0.00 | novel-m0172-5p | 0.67 | 1.29 | 0.67 | 0.00 | novel-m0287-5p | 1.28 | 1.29 | 0.67 | 0.00 |
| novel-m0052-5p | 0.00 | 0.00 | 0.67 | 1.12 | novel-m0176-3p | 0.00 | 0.00 | 0.00 | 1.12 | novel-m0288-5p | 0.61 | 0.00 | 0.00 | 1.25 |
| novel-m0054-5p | 15.36 | 17.13 | 15.34 | 13.84 | novel-m0176-5p | 0.61 | 0.95 | 0.00 | 1.12 | novel-m0289-5p | 0.67 | 0.62 | 0.00 | 1.12 |
| novel-m0055-5p | 1.22 | 0.00 | 0.72 | 0.00 | novel-m0177-5p | 1.89 | 1.12 | 0.00 | 1.62 | novel-m0291-3p | 0.67 | 0.00 | 1.38 | 0.50 |
| novel-m0056-5p | 0.67 | 2.69 | 0.72 | 0.00 | novel-m0178-5p | 1.22 | 0.00 | 1.73 | 0.50 | novel-m0291-5p | 0.00 | 1.94 | 0.72 | 0.00 |
| novel-m0057-5p | 3.91 | 5.05 | 2.05 | 2.74 | novel-m0180-5p | 0.00 | 0.00 | 2.40 | 0.62 | novel-m0293-5p | 2.43 | 0.00 | 0.00 | 0.00 |
| novel-m0058-5p | 2.50 | 3.53 | 3.74 | 3.61 | novel-m0181-5p | 0.00 | 0.65 | 1.58 | 0.00 | novel-m0295-5p | 0.67 | 0.00 | 1.44 | 1.25 |
| novel-m0059-5p | 0.67 | 0.65 | 0.00 | 0.62 | novel-m0182-5p | 0.00 | 1.74 | 0.87 | 0.00 | novel-m0301-3p | 0.00 | 0.62 | 0.87 | 0.62 |
| novel-m0060-5p | 0.67 | 1.12 | 0.00 | 1.25 | novel-m0184-5p | 0.00 | 0.00 | 2.15 | 0.62 | novel-m0301-5p | 0.00 | 0.47 | 0.00 | 1.87 |
| novel-m0065-5p | 0.00 | 0.62 | 0.00 | 1.12 | novel-m0185-5p | 0.00 | 0.00 | 1.44 | 1.12 | novel-m0304-5p | 0.00 | 0.62 | 0.72 | 0.50 |
| novel-m0066-3p | 0.61 | 3.03 | 7.07 | 3.74 | novel-m0186-5p | 0.00 | 1.89 | 0.00 | 0.00 | novel-m0305-5p | 1.28 | 1.12 | 0.00 | 0.00 |
| novel-m0066-5p | 0.00 | 0.65 | 0.00 | 0.62 | novel-m0188-5p | 1.22 | 0.62 | 0.00 | 0.00 | novel-m0306-3p | 0.00 | 0.62 | 2.87 | 0.00 |
| novel-m0068-5p | 1.22 | 0.00 | 2.05 | 0.00 | novel-m0189-5p | 0.67 | 0.00 | 0.00 | 1.25 | novel-m0306-5p | 0.00 | 0.95 | 0.00 | 0.00 |
| novel-m0072-5p | 9.98 | 10.15 | 13.93 | 8.72 | novel-m0194-5p | 0.00 | 0.00 | 1.58 | 0.62 | novel-m0307-5p | 0.00 | 0.65 | 0.67 | 0.50 |
| novel-m0075-5p | 0.00 | 0.47 | 0.00 | 2.37 | novel-m0202-5p | 1.34 | 1.09 | 1.33 | 0.00 | novel-m0309-3p | 0.61 | 0.62 | 3.39 | 0.50 |
| novel-m0077-5p | 0.00 | 1.27 | 0.00 | 0.50 | novel-m0205-5p | 0.61 | 0.47 | 0.67 | 0.00 | novel-m0309-5p | 0.61 | 0.00 | 0.00 | 0.62 |
| novel-m0080-5p | 0.00 | 0.62 | 0.00 | 1.12 | novel-m0206-3p | 1.82 | 1.29 | 3.73 | 2.12 | novel-m0311-3p | 0.61 | 0.00 | 1.44 | 0.00 |
| novel-m0083-5p | 0.61 | 0.47 | 1.73 | 1.12 | novel-m0206-5p | 1.22 | 0.00 | 0.87 | 0.00 | novel-m0311-5p | 0.00 | 0.65 | 0.87 | 0.00 |
| novel-m0084-3p | 0.67 | 1.24 | 0.87 | 2.49 | novel-m0208-5p | 0.61 | 1.24 | 0.00 | 0.50 | novel-m0315-5p | 0.61 | 0.47 | 2.15 | 0.00 |
| novel-m0084-5p | 0.61 | 0.00 | 0.87 | 0.00 | novel-m0211-5p | 0.61 | 1.59 | 0.00 | 0.00 | novel-m0316-3p | 0.00 | 0.47 | 1.73 | 1.87 |
| novel-m0085-5p | 0.00 | 0.62 | 1.33 | 0.00 | novel-m0212-5p | 1.34 | 0.47 | 0.67 | 0.00 | novel-m0316-5p | 3.17 | 2.07 | 3.02 | 2.24 |
| novel-m0087-5p | 1.22 | 1.24 | 0.00 | 1.25 | novel-m0213-5p | 1.22 | 0.62 | 0.87 | 0.00 | novel-m0318-5p | 5.12 | 0.00 | 8.24 | 0.00 |
| novel-m0088-5p | 0.67 | 0.00 | 1.33 | 0.00 | novel-m0214-5p | 0.61 | 0.65 | 0.67 | 1.25 | novel-m0323-5p | 1.34 | 0.62 | 1.58 | 0.00 |
| novel-m0089-5p | 1.22 | 0.00 | 1.38 | 0.62 | novel-m0216-5p | 1.28 | 2.39 | 0.87 | 1.62 | novel-m0325-5p | 0.61 | 2.53 | 2.05 | 2.37 |
| novel-m0090-5p | 0.00 | 0.00 | 0.00 | 1.87 | novel-m0218-5p | 1.28 | 0.62 | 1.53 | 0.00 | novel-m0332-5p | 0.00 | 0.00 | 2.05 | 0.00 |
| novel-m0092-5p | 1.89 | 0.47 | 2.72 | 1.25 | novel-m0219-5p | 2.02 | 0.00 | 0.00 | 0.00 | novel-m0333-5p | 1.28 | 0.00 | 4.33 | 1.12 |
| novel-m0095-5p | 5.60 | 6.32 | 7.07 | 5.48 | novel-m0222-5p | 0.67 | 0.00 | 1.38 | 1.87 | novel-m0334-5p | 0.00 | 0.95 | 0.00 | 0.62 |
| novel-m0097-5p | 3.10 | 3.06 | 2.15 | 0.62 | novel-m0225-5p | 0.61 | 0.00 | 1.44 | 0.00 | novel-m0335-5p | 1.22 | 0.00 | 0.00 | 0.62 |
| novel-m0100-3p | 0.00 | 0.65 | 0.00 | 0.62 | novel-m0227-5p | 1.22 | 0.00 | 0.00 | 0.50 | novel-m0336-3p | 1.34 | 0.00 | 0.00 | 0.00 |
| novel-m0100-5p | 5.92 | 0.62 | 4.00 | 0.00 | novel-m0228-5p | 1.22 | 0.00 | 0.00 | 0.50 | novel-m0336-5p | 0.00 | 0.47 | 0.00 | 2.24 |
| novel-m0101-5p | 0.61 | 0.00 | 0.00 | 1.74 | novel-m0230-5p | 1.22 | 0.62 | 0.72 | 0.62 | novel-m0339-3p | 1.22 | 0.00 | 0.00 | 0.00 |
| novel-m0104-5p | 0.00 | 0.65 | 1.53 | 0.00 | novel-m0231-5p | 0.00 | 0.00 | 2.72 | 0.50 | novel-m0339-5p | 0.00 | 0.00 | 0.67 | 1.00 |
| novel-m0105-5p | 0.00 | 0.47 | 0.72 | 0.62 | novel-m0233-3p | 0.67 | 0.47 | 0.00 | 0.00 | novel-m0341-5p | 0.00 | 1.29 | 0.00 | 0.50 |
| novel-m0106-5p | 1.82 | 1.59 | 1.44 | 2.37 | novel-m0233-5p | 6.21 | 6.42 | 11.52 | 3.61 | novel-m0343-5p | 0.00 | 1.24 | 1.38 | 0.62 |
| novel-m0107-5p | 0.00 | 1.12 | 0.00 | 1.87 | novel-m0235-3p | 1.82 | 0.00 | 0.00 | 0.00 | novel-m0346-5p | 0.00 | 0.62 | 1.44 | 0.00 |
| novel-m0109-5p | 0.00 | 1.09 | 0.00 | 0.50 | novel-m0235-5p | 0.00 | 0.62 | 3.02 | 1.00 | novel-m0349-5p | 0.00 | 0.00 | 0.67 | 1.25 |
| novel-m0110-5p | 0.67 | 1.27 | 0.00 | 0.62 | novel-m0236-5p | 0.67 | 0.95 | 0.87 | 0.00 | novel-m0351-5p | 1.28 | 1.91 | 3.12 | 0.00 |
| novel-m0111-5p | 0.00 | 0.00 | 1.73 | 1.12 | novel-m0237-5p | 0.61 | 0.47 | 0.00 | 1.00 | novel-m0354-5p | 1.22 | 0.00 | 2.45 | 0.00 |
| novel-m0112-3p | 3.17 | 1.24 | 2.72 | 1.62 | novel-m0239-5p | 0.61 | 0.00 | 0.72 | 0.00 | novel-m0355-5p | 1.28 | 1.27 | 0.00 | 0.00 |
| novel-m0112-5p | 0.67 | 0.00 | 0.00 | 0.62 | novel-m0241-5p | 0.00 | 0.00 | 0.87 | 1.25 | novel-m0356-5p | 0.00 | 0.00 | 0.67 | 2.37 |
| novel-m0114-5p | 0.67 | 0.00 | 0.00 | 1.12 | novel-m0243-5p | 0.67 | 0.47 | 0.00 | 1.25 | novel-m0357-5p | 0.61 | 0.00 | 0.72 | 0.50 |
| novel-m0116-3p | 0.61 | 0.00 | 2.45 | 1.49 | novel-m0245-5p | 1.34 | 0.00 | 0.00 | 0.50 | novel-m0358-5p | 2.43 | 0.00 | 0.00 | 0.62 |
| novel-m0116-5p | 0.61 | 0.00 | 4.65 | 1.25 | novel-m0246-5p | 0.00 | 0.47 | 0.00 | 1.25 | novel-m0361-3p | 1.22 | 2.24 | 3.07 | 1.25 |
| novel-m0117-5p | 0.67 | 0.65 | 0.87 | 0.62 | novel-m0248-5p | 0.00 | 0.00 | 2.10 | 0.00 | novel-m0361-5p | 1.28 | 0.00 | 0.72 | 0.62 |
| novel-m0120-5p | 0.00 | 0.95 | 0.72 | 0.62 | novel-m0250-3p | 1.89 | 0.00 | 0.00 | 0.00 | novel-m0363-5p | 1.89 | 1.27 | 1.53 | 0.50 |