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Contract

RBGKEW1309 Long-Read Ash Genome Sequencing 2024

Royal Botanic Gardens, Kew

F03: Contract award notice

Notice identifier: 2024/S 000-026781

Procurement identifier (OCID): ocids-h6vhtk-045914

Published 22 August 2024, 10:05am

Section I: Contracting authority

I.1) Name and addresses

Royal Botanic Gardens, Kew

The Herbarium, Kew Green, Richmond,

London

TW9 3AE

Contact

Jamal Jimenez

Email

procurement@kew.org

Telephone

+44 2083325000

Country

United Kingdom

Region code

UKI75 - Hounslow and Richmond upon Thames

National registration number

Royal Botanic Gardens, Kew

Internet address(es)

Main address

www.kew.org

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

Environment

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

RBGKEW1309 Long-Read Ash Genome Sequencing 2024

Reference number

RBGKEW1309

II.1.2) Main CPV code

- 73110000 - Research services

II.1.3) Type of contract

Services

II.1.4) Short description

Royal Botanic Gardens, Kew wishes to appoint a supplier to individually sequence the whole genomes of up to 300 European ash trees (*Fraxinus excelsior*) at a minimum of 15x whole genome coverage via a long-read technology. *Fraxinus excelsior* is a diploid and has a 1C genome size of 880 Mbp.

In addition to the 300 individual ash trees, we wish to sequence a minimum of six technical replicates. Therefore, the total number of samples we wish to sequence is 306.

RBG Kew intends to supply total genomic DNA for each sample with the following metrics: minimum of 10ug DNA; minimum concentration of 30ng/ml (as measured with a Quantus flurometer dsDNA assay); at least 50% of the sample in fragments with a minimum length of 40kb; minimum OD260/280 of 1.8; minimum OD260/230 of 1.8; minimum DIN of 7.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £150,000

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKI - London

Main site or place of performance

LONDON

II.2.4) Description of the procurement

Royal Botanic Gardens, Kew wishes to appoint a supplier to individually sequence the whole genomes of up to 300 European ash trees (*Fraxinus excelsior*) at a minimum of 15x whole genome coverage via a long-read technology. *Fraxinus excelsior* is a diploid and has a 1C genome size of 880 Mbp.

In addition to the 300 individual ash trees, we wish to sequence a minimum of six technical replicates. Therefore, the total number of samples we wish to sequence is 306.

RBG Kew intends to supply total genomic DNA for each sample with the following metrics: minimum of 10ug DNA; minimum concentration of 30ng/ml (as measured with a Quantus flurometer dsDNA assay); at least 50% of the sample in fragments with a minimum length of 40kb; minimum OD260/280 of 1.8; minimum OD260/230 of 1.8; minimum DIN of 7.

The maximum contract value is £167,000 GBP (excluding VAT). We wish to maximise the number of samples sequenced at a minimum of 15x whole genome coverage (minimum of 13.2 gigabases of data per sample). Optionally, if all 306 samples can be sequenced to at least 15x (minimum of 13.2 gigabases of data per sample) within the maximum contract value, we may wish to maximise the total amount of data in gigabases for each of the 306 samples.

II.2.5) Award criteria

Quality criterion - Name: Technical Criteria / Weighting: 155

Cost criterion - Name: Price per quality Point (PQP) / Weighting: 0

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Open procedure

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: Yes

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: [2024/S 000-015129](#)

Section V. Award of contract

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

26 July 2024

V.2.2) Information about tenders

Number of tenders received: 12

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Novogene (UK) Company LTD

2nd Floor, Bio-Innovation Centre 25 Cambridge Science Park,, Milton Road, England.
Cambridge

Cambridge

CB4 0FW

Country

United Kingdom

NUTS code

- UKI - London

National registration number

09353226

The contractor is an SME

No

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: £150,000

Total value of the contract/lot: £150,000

Section VI. Complementary information

VI.3) Additional information

The contracting authority considers that this contract may be suitable for economic operators that are small or medium enterprises (SMEs). However, any selection of tenderers will be based solely on the criteria set out for the procurement.

To view this notice, please click here:

<https://www.delta-esourcing.com/delta/viewNotice.html?noticeId=884439565>

GO Reference: GO-2024822-PRO-27466577

VI.4) Procedures for review

VI.4.1) Review body

Head of Procurement & Contract Management, Royal Botanic Gardens, Kew

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Richmond

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Country

United Kingdom